

NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH TRANSCRIPTION IN PLANTS

This application claims priority under 35 U.S.C §120 of applications No. 09/474,435 filed December 28, 1999, 09/654,617 filed September 5, 2000, No. 09,684,016 filed October 10, 2000, No. 09/733,089 filed 12/11/00, No. 09/620,392 filed July 19, 2000, all of which are herein incorporated by reference in their entirety.

INCORPORATION OF SEQUENCE LISTING

Two copies of the sequence listing (Seq. Listing Copy 1 and Seq. Listing Copy 2) and a computer-readable form of the sequence listing, all on CD-ROMs, each containing the file named pa_00309G.txt, which is 45,480,235 bytes (measured in MS-DOS) and was created on March 22, 2001, are herein incorporated by reference.

FIELD OF THE INVENTION

The present invention is in the field of plant molecular biology. More specifically, this invention pertains to nucleic acid fragments encoding transcription factors, transcription factors, antibodies to transcription factors as well as plants and other organisms expressing transcription factors. This invention also relates to methods of using such agents, for example, in plant breeding.

BACKGROUND OF THE INVENTION

Transcription is the essential first step in the conversion of the genetic information in the DNA into protein and the major point at which gene expression is controlled. Transcription of protein-coding genes is accomplished by the multisubunit enzyme RNA polymerase II and an ensemble of ancillary proteins called transcription factors. Basal (or general) transcription factors (a universal set of cellular proteins required for the transcription of all protein-coding genes) assist RNA polymerase II in aligning itself to the core region encompassing the transcription initiation site of genes and accurately initiating transcription. RNA polymerase II, basal transcription factors and an array of other proteins known as transcription co-factors comprise the basal transcription machinery that determines the constitutive level of gene transcription. Other transcription factors, termed gene-specific transcription factors, modulate transcription of a subset of protein-coding genes in

response to specific environmental signals through binding to characteristic, cis-acting DNA sequence elements (motifs) and interactions with the basal transcription machinery. Cis-acting DNA sequence elements are often parts of larger regulatory entities called promoters or enhancers which confer a specific expression pattern to linked transcription units, their target genes. Collectively, these regions might bind several different gene-specific transcription factors each of which might contribute positively (activators) or negatively (repressors) to transcription initiation and rate. Protein-protein interactions between DNA-bound gene-specific transcription factors often result in synergistic or inhibitory regulatory effects. It is the sum of these combinatorial interactions that defines the transcriptional identity of a gene, turning genes on and off as appropriate for a specific biological context. In this manner, genes can be regulated, for example, tissue specifically, with a certain temporal or developmental pattern or become responsive to exogenous cues.

The identification of transcription factors and the subsequent modification of their activity may result in dramatic changes to a plant leading to plants with highly desirable, commercial traits. Root growth, tolerance to salt or cold stress, and flower characteristics are only some examples of plant traits which may be altered by modifying transcription factors.

Transcription factors may be identified by the presence of conserved functional domains. Typically, they are comprised of two domains that represent discrete functional entities. One of these is responsible for sequence-specific DNA recognition and binding (DNA binding domain); and the other facilitates communication with the basal transcription machinery, resulting in either the activation or repression of transcription initiation (transeffector domain). In addition, transcription factors also may contain oligomerization domains. This domain type may be adjacent to or overlap DNA binding domains and may act with them to effect the transcription factor's affinity for certain cis elements or other aspects of transcription factor activity. Nuclear localization signals which are characterized by a core peptide enriched in arginine and lysine may be present as well.

Such functional domains may be identified by examining the primary amino acid sequence of a putative transcription factor. For example, one class of transcription

factors, the leucine zipper proteins, derive their name from the repeats they share of four or five leucine residues precisely seven amino acids apart. These domains provide hydrophobic faces through which leucine zipper proteins interact to form dimers. Zinc finger proteins are transcription factors so called because of the presence of repeated motifs of cysteine and histidine that are reported to fold up into a three-dimensional structure coordinated by a zinc ion.

Protein domains indicative of transcription factors have been described using Profile Hidden Markov Models (*e.g.* Profile HMM). Profile HMMs are based on position specific sequence information from multiple alignments. Different residues in a functional sequence are subject to different selective pressures. Multiple alignments of a sequence family reveal this in their pattern of conservation. Some positions are more conserved than others, and some regions of a multiple alignment are reported to tolerate insertions and deletions more than other regions.

An HMM (Hidden Markov Model) is used to statistically describe a protein family's consensus sequence. This statistical description can be used for sensitive and selective database searching. The model consists of a linear sequence of nodes with a "begin" state and an "end" state. A typical model can contain hundreds of nodes. Each node between the beginning and end state corresponds to a column in a multiple alignment. Each node in an HMM has a match state, an insert state, and a delete state with position-specific probabilities for transitioning into each of these states from the previous state. In addition to a transition probability, the match state also has position specific probabilities for emitting a particular residue. Likewise, the insert state has probabilities for inserting a residue at the position given by the node. There is also a chance that no residue is associated with a node. That probability is indicated by the probability of transitioning to the delete state. Both transition and emission probabilities can be generated from a multiple alignment of a family of sequences. An HMM can be aligned with a new sequence to determine the probability that the sequence belongs to the modeled family. The most probable path through the HMM (*i.e.* which transitions were taken and which residues were emitted at match and insert sites) taken to generate a sequence similar to the new sequence determines the similarity score.

Several available software packages implement profile HMMs or HMM-like models. These include SAM (cse.ucsc.edu/research/compbio/sam.html), HMMER (pfam.wustl.edu/) and HMMpro (www.netid.com/). Additionally, two collections of profile HMMs are currently available: the Pfam database (pfam.wustl.edu/) and the PROSITE Profiles database (expasy.proteome.org.au/prosite/).

Sequence similarity searches against known transcription factors or transcription factor domains resulting in statistically significant similarity between a putative and known transcription factor also provide strong evidence that both code for proteins with similar three dimensional structure and are thus likely to exhibit equivalent biochemical functions. The use of amino acid comparison methods-in particular those such as BLAST ((Altschul *et al.*, *J. Mol. Biol.* 215:403-410 (1990)) and FASTA (Pearson, W.R. and Lipman, D.J. *Proc. Natl. Acad. Sci.* 85, 2444-2448 (1988)) which are sufficiently fast to search protein sequence databases (such as NCBI's non-redundant amino acid databases, (www.ncbi.nlm.nih.gov or Transfac which contains transcription factor domains (Wingender, E., *et al.*, *Nucleic Acids Res.* 28, 316-319 (2000)) have been used for such purposes. More rigorous algorithms such as that of the Frame+ program (Compugen, www.cgen.com modeled on an algorithm designed by GCG Genetics Computer Group, Madison, WI) are also used.

Nucleic acid sequences and/or translations of nucleic acid sequences disclosed herein are cDNA and genomic sequences which have been queried for the presence of transcription factor functional domains. These sequences may be used in DNA constructs useful for imparting unique genetic properties into transgenic organisms. They may also be used to identify other transcription factor sequences.

SUMMARY OF THE INVENTION

The present invention includes and provides a substantially purified nucleic acid molecule comprising a nucleic acid sequence selected from SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof or fragment of either.

The present invention further substantially provides a purified maize transcription factor, soybean transcription factor, rice transcription factor, *Arabidopsis* transcription

factor and fragment of any encoded by a first nucleic acid sequence which specifically hybridizes to a second nucleic acid molecule having a nucleic acid sequence selected from the group consisting of a complement of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through
 5 SEQ ID 13478.

The present invention also provides a substantially purified protein or fragment thereof comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241, and SEQ ID NO: 13479 through SEQ ID NO:
 10 24143 and fragment of any.

The present invention also provides a substantially purified protein or fragment thereof encoded by a nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478.

15 The present invention further provides a purified antibody or fragment thereof which is capable of specifically binding to a protein or fragment thereof, wherein the protein or fragment thereof comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479
 20 through SEQ ID NO: 24143.

The present invention also provides a transformed plant having a nucleic acid molecule which comprises: (A) an exogenous promoter region which functions in a plant cell to cause the production of a mRNA molecule; (B) a structural nucleic acid molecule encoding a protein or fragment thereof comprising an amino acid sequence selected from
 25 the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 24143 and fragment of any; and (C) a 3' non-translated sequence that functions in the plant cell to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of the mRNA molecule.

The present invention also provides a transformed plant having a nucleic acid molecule which comprises: (A) an exogenous promoter region which functions in a plant cell to cause the production of a mRNA molecule; which is linked to (B) a transcribed nucleic acid molecule with a transcribed strand and a non-transcribed strand, wherein the transcribed strand is complementary to a nucleic acid molecule encoding a protein or fragment thereof comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 24143 and fragment of any; which is linked to (C) a 3' non-translated sequence that functions in plant cells to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of the mRNA molecule.

The present invention also provides a method for determining a level or pattern of a plant transcription factor in a plant cell or plant tissue comprising: (A) incubating, under conditions permitting nucleic acid hybridization, a marker nucleic acid molecule, the marker nucleic acid molecule selected from the group of marker nucleic acid molecules which specifically hybridize to a nucleic acid molecule having the nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 and complements thereof or fragments of any, with a complementary nucleic acid molecule obtained from the plant cell or plant tissue, wherein nucleic acid hybridization between the marker nucleic acid molecule and the complementary nucleic acid molecule obtained from the plant cell or plant tissue permits the detection of an mRNA for the transcription factor; (B) permitting hybridization between the marker nucleic acid molecule and the complementary nucleic acid molecule obtained from the plant cell or plant tissue; and (C) detecting the level or pattern of the complementary nucleic acid, wherein the detection of the complementary nucleic acid is predictive of the level or pattern of the plant transcription factor.

The present invention provides a method of determining a mutation in a plant whose presence is predictive of a mutation affecting a level or pattern of a protein comprising the steps: (A) incubating, under conditions permitting nucleic acid hybridization,

a marker nucleic acid, the marker nucleic acid selected from the group of marker nucleic acid molecules which specifically hybridize to a nucleic acid molecule having a nucleic acid sequence selected from the group of SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof and a complementary nucleic acid molecule obtained from the plant, wherein nucleic acid hybridization between the marker nucleic acid molecule and the complementary nucleic acid molecule obtained from the plant permits the detection of a polymorphism whose presence is predictive of a mutation affecting the level or pattern of the protein in the plant; (B) permitting hybridization between the marker nucleic acid molecule and the complementary nucleic acid molecule obtained from the plant; and (C) detecting the presence of the polymorphism, wherein the detection of the polymorphism is predictive of the mutation.

The present invention also provides a method of producing a plant containing an overexpressed protein comprising: (A) transforming the plant with a functional nucleic acid molecule, wherein the functional nucleic acid molecule comprises a promoter region, wherein the promoter region is linked to a structural region, wherein the structural region comprises a nucleic acid sequence encoding an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241, SEQ ID NO: 13479 through SEQ ID NO: 24143 and fragment thereof wherein the structural region is linked to a 3' non-translated sequence that functions in the plant to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of a mRNA molecule; and wherein the functional nucleic acid molecule results in overexpression of the protein; and (B) growing the transformed plant.

The present invention also provides a method of producing a plant containing reduced levels of a plant transcription factor comprising: (A) transforming the plant with a functional nucleic acid molecule, wherein the functional nucleic acid molecule comprises a promoter region, wherein the promoter region is linked to a structural region, wherein the structural region comprises a nucleic acid molecule encoding an amino acid sequence consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292

through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241, SEQ ID NO: 13479 through SEQ ID NO: 24143 and fragment thereof; wherein the structural region is linked to a 3' non-translated sequence that functions in the plant to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of a mRNA molecule; and wherein the functional nucleic acid molecule results in co-suppression of the plant transcription factor; and (B) growing the transformed plant.

The present invention also provides a method for preventing expression of a plant transcription factor in a plant cell comprising: (A) transforming the plant cell with a knockout construct, said construct comprising a nucleic acid molecule selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof or fragment of either.

The present invention also provides a method for detecting an insertion event in a genome comprising: (A) preparing a DNA composition enhanced for a plurality of insertion junctions; (B) preparing at least a first detectable array comprising said DNA composition, wherein said preparing comprises directly or indirectly attaching said DNA composition to a solid support; (C) hybridizing a gene specific probe to said array, said gene specific probe detecting said insertion event from said first array and said gene specific probe comprising a nucleic acid sequence selected from SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof or fragment of either.

The present invention also provides a method for selecting a plant having a trait, said method comprising the steps of: (A) obtaining genomic DNA from a plurality of plants; (B) analyzing genomic DNA from each of the plurality of plants to determine the presence or absence of a DNA marker that is genetically linked to a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof or fragment of either and (C) selecting said plant containing said DNA marker.

The present invention also provides a method for reducing expression of a plant transcription factor in a plant comprising: (A) transforming the plant with a nucleic acid molecule, the nucleic acid molecule having an exogenous promoter region which functions in a plant cell to cause the production of a mRNA molecule, wherein the exogenous promoter region is linked to a transcribed nucleic acid molecule having a transcribed strand and a non-transcribed strand, wherein the transcribed strand is complementary to a nucleic acid molecule having a nucleic acid sequence that encodes a plant transcription factor having an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 24143 or fragments thereof and the transcribed strand is complementary to an endogenous mRNA molecule; and wherein the transcribed nucleic acid molecule is linked to a 3' non-translated sequence that functions in the plant cell to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of a mRNA molecule; and (B) growing the transformed plant.

The present invention also provides a method of determining an association between a polymorphism and a plant trait comprising: (A) hybridizing a nucleic acid molecule specific for the polymorphism to genetic material of a plant, wherein the nucleic acid molecule has a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID 13478 and complements thereof or fragment of any; and (B) calculating the degree of association between the polymorphism and the plant trait.

The present invention also provides a method of isolating a nucleic acid that encodes a plant transcription factor or fragment thereof comprising: (A) incubating under conditions permitting nucleic acid hybridization, a first nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: through SEQ ID 13478 and complements thereof or fragment of any with a complementary second nucleic acid molecule obtained from a plant cell or

plant tissue; (B) permitting hybridization between the first nucleic acid molecule and the second nucleic acid molecule obtained from the plant cell or plant tissue; and (C) isolating the second nucleic acid molecule.

The present invention also provides an array comprising at least 30 different and separated target nucleic acid molecules immobilized on a solid support in a manner that complementary probe nucleic acid molecules can be hybridized thereto, wherein said target nucleic acid molecules have at least 20 consecutive nucleotides in a sequence selected from the group consisting of: (a) SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 24143; (b) sequences which are complements of (a); (c) sequences which have at least 60% identity to a sequence of (a) or (b); (d) sequences of molecules which hybridize to a sequence of (a) or (b) or (c).

DETAILED DESCRIPTION OF THE INVENTION

Agents of the Present Invention

15 Agents

One skilled in the art can refer to general reference texts for detailed descriptions of known techniques discussed herein or equivalent techniques. These texts include *Current Protocols in Molecular Biology* Ausubel *et al.*, eds., John Wiley & Sons, N. Y. (1989), and supplements through September (1998), *Molecular Cloning, A Laboratory Manual*, Sambrook *et al.*, 2nd Ed., Cold Spring Harbor Press, Cold Spring Harbor, New York (1989), *Genome Analysis: A Laboratory Manual 1: Analyzing DNA*, Birren *et al.*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1997); *Genome Analysis: A Laboratory Manual 2: Detecting Genes*, Birren *et al.*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1998); *Genome Analysis: A Laboratory Manual 3: Cloning Systems*, Birren *et al.*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1999); *Genome Analysis: A Laboratory Manual 4: Mapping Genomes*, Birren *et al.*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1999); *Plant Molecular Biology: A Laboratory Manual*, Clark, Springer-Verlag, Berlin, (1997), *Methods in Plant Molecular Biology*, Maliga *et al.*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1995).

These texts can, of course, also be referred to in making or using an aspect of the invention. It is understood that any of the agents of the invention can be substantially purified and/or be biologically active and/or recombinant.

The agents of the invention will preferably be "biologically active" with respect to either a structural attribute, such as the capacity of a nucleic acid to hybridize to another nucleic acid molecule, or the ability of a protein to be bound by an antibody (or to compete with another molecule for such binding). Alternatively, such an attribute may be catalytic and thus involve the capacity of the agent to mediate a chemical reaction or response. The term "substantially purified", as used herein, refers to a molecule separated from substantially all other molecules normally associated with it in its native state. More preferably a substantially purified molecule is the predominant species present in a preparation. A substantially purified molecule may be greater than 60% free, preferably 75% free, more preferably 90% free, and most preferably 95% free from the other molecules (exclusive of solvent) present in the natural mixture. The term "substantially purified" is not intended to encompass molecules present in their native state.

The agents of the present invention may also be recombinant. As used herein, the term recombinant, refers to a) molecules that are constructed outside of living cells by joining natural or synthetic DNA segments to DNA molecules that can replicate in a living cell or b) molecules that result from the replication or expression of those molecules described above.

It is understood that the agents of the invention may be labeled with reagents that facilitate detection of the agent (*e.g.* fluorescent labels, Prober *et al.*, *Science* 238:336-340 (1987)); Albarella *et al.*, EP 144914; chemical labels, Sheldon *et al.*, United States Patent 4,582,789; Albarella *et al.*, U.S. Patent 4,563,417; modified bases, Miyoshi *et al.*, EP 119448). It is further understood that the invention provides recombinant bacterial, mammalian, microbial, archaebacterial, insect, fungal, algal, and plant cells as well as viral constructs comprising the agents of the invention.

(a) Nucleic Acid Molecules

Agents of the present invention include plant nucleic acid molecules and more preferably include maize, soybean, rice and *Arabidopsis thaliana* nucleic acid molecules

and more preferably include nucleic acid molecules of the maize genotypes B73 (Illinois Foundation Seeds, Champaign, Illinois U.S.A.), B73 x Mo17 (Illinois Foundation Seeds, Champaign, Illinois U.S.A.), DK604 (Dekalb Genetics, Dekalb, Illinois U.S.A.), H99 (Illinois Foundation Seeds, Champaign, Illinois U.S.A.), RX601 (Asgrow Seed Company, Des Moines, Iowa), Mo17 (Illinois Foundation Seeds, Champaign, Illinois U.S.A.), and soybean types Asgrow 3244 (Asgrow Seed Company, Des Moines, Iowa), C1944 (United States Department of Agriculture (USDA) Soybean Germplasm Collection, Urbana, Illinois U.S.A.), Cristalina (USDA Soybean Germplasm Collection, Urbana, Illinois U.S.A.), FT108 (Monsoy, Brazil), Hartwig (USDA Soybean Germplasm Collection, Urbana, Illinois U.S.A.), BW211S Null (Tohoku University, Morioka, Japan), PI507354 (USDA Soybean Germplasm Collection, Urbana, Illinois U.S.A.), Asgrow A4922 (Asgrow Seed Company, Des Moines, Iowa U.S.A.), PI227687 (USDA Soybean Germplasm Collection, Urbana, Illinois U.S.A.), PI229358 (USDA Soybean Germplasm Collection, Urbana, Illinois U.S.A.) and Asgrow A3237 (Asgrow Seed Company, Des Moines, Iowa U.S.A.), and rice types, *Oryza sativa* L (japonica type), and more preferably *Oryza sativa* L (japonica type), cv. Nipponbare.

Fragment nucleic acid molecules may encode significant portion(s) of, or indeed most of, these nucleic acid molecules. For example, a fragment nucleic acid molecule can encode a rice, maize, soybean or *Arabidopsis* protein or fragment thereof.

Alternatively, the fragments may comprise smaller oligonucleotides (having from about 15 to about 400 nucleotide residues, and more preferably, about 15 to about 30 nucleotide residues, or about 50 to about 100 nucleotide residues, or about 100 to about 200 nucleotide residues, or about 200 to about 400 nucleotide residues, or about 275 to about 350 nucleotide residues).

A fragment of one or more of the nucleic acid molecules of the invention may be a probe and specifically a PCR probe. A PCR probe is a nucleic acid molecule capable of initiating a polymerase activity while in a double-stranded structure with another nucleic acid. Various methods for determining the structure of PCR probes and PCR techniques exist in the art. Computer generated searches using programs such as Primer3 (www-genome.wi.mit.edu/cgi-bin/primer/primer3.cgi), STSPipeline (www-genome.wi.mit.edu/

cgi-bin/www-STS_Pipeline), or GeneUp (Pesole *et al.*, *BioTechniques* 25:112-123 (1998)), for example, can be used to identify potential PCR primers.

A particularly preferred embodiment of the nucleic acid molecules of the present invention are plant nucleic acid molecules that comprise a nucleic acid sequence which encodes an *Arabidopsis* transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof, more preferably a nucleic acid molecule comprising a nucleic acid selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO: 3290 or a nucleic acid molecule comprising a nucleic acid sequence which encodes a transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof comprising an amino acid selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 1286.

Another particularly preferred embodiment of the nucleic acid molecules of the present invention are plant nucleic acid molecules that comprise a nucleic acid sequence which encodes a maize transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof, more preferably a nucleic acid molecule comprising a nucleic acid selected from the group consisting of SEQ ID NO: 5479 through SEQ ID NO: 8350 or a nucleic acid molecule comprising a nucleic acid sequence which encodes a transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof comprising an amino acid selected from the group consisting of SEQ ID NO: 3292 through SEQ ID NO: 5478.

A further, particularly preferred embodiment of the nucleic acid molecules of the present invention are plant nucleic acid molecules that comprise a nucleic acid sequence which encodes a rice transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof, more preferably a nucleic acid molecule comprising a nucleic acid selected from the group consisting of SEQ ID NO: 9242 through SEQ ID NO: 10474 or a nucleic acid molecule comprising a nucleic acid sequence which encodes a transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof comprising an amino acid selected from the group consisting of SEQ ID NO: 8351 through SEQ ID NO: 9241.

An additional, particularly preferred embodiment of the nucleic acid molecules of the present invention are plant nucleic acid molecules that comprise a nucleic acid sequence which encodes a soy transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof, more preferably a nucleic acid molecule comprising a nucleic acid selected from the group consisting of SEQ ID NO: 10475 through SEQ ID NO: 13478 or a nucleic acid molecule comprising a nucleic acid sequence which encodes a transcription factor from one of the categories of transcription factors in Table 1 or fragment thereof comprising an amino acid selected from the group consisting of SEQ ID NO: 13479 through SEQ ID NO: 15686.

Nucleic acid molecules or fragments thereof of the present invention are capable of specifically hybridizing to other nucleic acid molecules under certain circumstances. Nucleic acid molecules of the present invention include those that specifically hybridize to nucleic acid molecules having a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: SEQ ID 13478 or complements thereof.

Nucleic acid molecules or fragments thereof of the present invention are capable of specifically hybridizing to other nucleic acid molecules under certain circumstances. Nucleic acid molecules of the present invention include those that specifically hybridize to nucleic acid molecules having a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO: 3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: SEQ ID 13478 or complements thereof.

As used herein, two nucleic acid molecules are said to be capable of specifically hybridizing to one another if the two molecules are capable of forming an anti-parallel, double-stranded nucleic acid structure.

A nucleic acid molecule is said to be the "complement" of another nucleic acid molecule if they exhibit complete complementarity. As used herein, molecules are said to exhibit "complete complementarity" when every nucleotide of one of the molecules is complementary to a nucleotide of the other. Two molecules are said to be "minimally

complementary" if they can hybridize to one another with sufficient stability to permit them to remain annealed to one another under at least conventional "low-stringency" conditions. Similarly, the molecules are said to be "complementary" if they can hybridize to one another with sufficient stability to permit them to remain annealed to one another under conventional "high-stringency" conditions. Conventional stringency conditions are described by Sambrook *et al.*, *Molecular Cloning, A Laboratory Manual*, 2nd Ed., Cold Spring Harbor Press, Cold Spring Harbor, New York (1989) and by Haymes *et al.*, *Nucleic Acid Hybridization, A Practical Approach*, IRL Press, Washington, DC (1985). Departures from complete complementarity are therefore permissible, as long as such departures do not completely preclude the capacity of the molecules to form a double-stranded structure. Thus, in order for a nucleic acid molecule to serve as a primer or probe it need only be sufficiently complementary in sequence to be able to form a stable double-stranded structure under the particular solvent and salt concentrations employed.

Appropriate stringency conditions which promote DNA hybridization, for example, 6.0 X sodium chloride/sodium citrate (SSC) at about 45°C, followed by a wash of 2.0 X SSC at 50°C, are known to those skilled in the art or can be found in *Current Protocols in Molecular Biology*, John Wiley & Sons, N.Y. (1989), 6.3.1-6.3.6. For example, the salt concentration in the wash step can be selected from a low stringency of about 2.0 X SSC at 50°C to a high stringency of about 0.2 X SSC at 50°C. In addition, the temperature in the wash step can be increased from low stringency conditions at room temperature, about 22°C, to high stringency conditions at about 65°C. Both temperature and salt may be varied, or either the temperature or the salt concentration may be held constant while the other variable is changed.

In a preferred embodiment, a nucleic acid of the present invention will specifically hybridize to one or more of the nucleic acid molecules set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: SEQ ID 13478 or complements thereof under moderately stringent conditions, for example at about 2.0 X SSC and about 65°C.

In a particularly preferred embodiment, a nucleic acid of the present invention will include those nucleic acid molecules that specifically hybridize to one or more of the nucleic acid molecules set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof under high stringency conditions such as 0.2 X SSC and about 65°C.

In one aspect of the present invention, the nucleic acid molecules of the present invention have one or more of the nucleic acid sequences set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof. In another aspect of the present invention, one or more of the nucleic acid molecules of the present invention share between 100% and 90% sequence identity with one or more of the nucleic acid sequences set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof. In a further aspect of the present invention, one or more of the nucleic acid molecules of the present invention share between 100% and 95% sequence identity with one or more of the nucleic acid sequences set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof. In a more preferred aspect of the present invention, one or more of the nucleic acid molecules of the present invention share between 100% and 98% sequence identity with one or more of the nucleic acid sequences set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof. In an even more preferred aspect of the present invention, one or more of the nucleic acid molecules of the present invention share between 100% and 99% sequence identity with one or more of the sequences set forth in SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID NO: SEQ ID 13478 or complements thereof.

As used herein "sequence identity" refers to the extent to which two optimally aligned polynucleotide or peptide sequences are invariant throughout the alignment of

nucleotides or amino acids. An "identity fraction" for aligned segments of a test sequence and a reference sequence is the number of identical nucleotides or amino acid residues which are shared by the two aligned sequences divided by the length of the alignment. "Percent identity" is the identity fraction X 100.

5 Useful methods for determining sequence identity are disclosed in *Guide to Huge Computers*, Martin J. Bishop, *ed.*, Academic Press, San Diego, (1994). More particularly, preferred computer programs for determining sequence identity include the Basic Local Alignment Search Tool (BLAST) programs which are publicly available from National Center Biotechnology Information (NCBI) at the National Library of
10 Medicine, National Institute of Health, Bethesda, Md. 20894; see BLAST Manual, Altschul *et al.*, NCBI, NLM, NIH; Altschul *et al.*, *J. Mol. Biol.* 215:403-410 (1990). Version 2.0 or higher of BLAST programs allow the introduction of gaps (deletions and insertions) into alignments.

Nucleic acid molecules of the present invention also include homologues.

15 Particularly preferred homologues are selected from the group consisting of alfalfa, barley, *Brassica*, broccoli, cabbage, citrus, cotton, garlic, oat, oilseed rape, onion, canola, flax, an ornamental plant, peanut, pepper, potato, rye, sorghum, strawberry, sugarcane, sugarbeet, tomato, wheat, poplar, pine, fir, eucalyptus, apple, lettuce, lentils, grape, banana, tea, turf grasses, sunflower, and *Phaseolus*.

20 In a preferred embodiment, nucleic acid molecules having SEQ ID NO: 1287 through SEQ ID NO:3291 and SEQ ID NO: 5479 through SEQ ID NO: 8350 and SEQ ID NO: 9242 through SEQ ID 13478 or complements thereof and fragments of either can be utilized to obtain such homologues.

(b) Nucleic Acid Molecules Encoding Proteins or Fragments Thereof

25 Nucleic acid molecules of the present invention can comprise sequences that encode a transcription factor or fragment thereof. Such transcription factors or fragments thereof include homologues of known transcription factors in other organisms.

In a preferred embodiment of the present invention, a maize, soybean, *Arabidopsis thaliana* or rice transcription factor or fragment thereof of the present invention is a
30 homologue of another plant transcription factor.

In another preferred embodiment of the present invention, a maize, soybean, *Arabidopsis thaliana* or rice transcription factor or fragment thereof of the present invention is a homologue of a fungal transcription factor.

In another preferred embodiment of the present invention, a maize, soybean, rice or *Arabidopsis thaliana* transcription factor of the present invention is a homologue of mammalian transcription factor.

In another preferred embodiment of the present invention, a maize, soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof of the present invention is a homologue of a bacterial transcription factor.

In another preferred embodiment of the present invention, a soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof of the present invention is a homologue of a maize transcription factor.

In another preferred embodiment of the present invention, a maize, rice or *Arabidopsis thaliana* transcription factor homologue or fragment thereof of the present invention is a homologue of a soybean transcription factor.

In another preferred embodiment of the present invention, a maize, soybean, or *Arabidopsis thaliana* transcription factor homologue or fragment thereof of the present invention is a homologue of a rice transcription factor.

In another preferred embodiment of the present invention, a maize, soybean or rice transcription factor homologue or fragment thereof of the present invention is a homologue of an *Arabidopsis thaliana* transcription factor.

In a preferred embodiment of the present invention, the nucleic molecule of the present invention encodes a maize, soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof where a maize, soybean, rice or *Arabidopsis thaliana* transcription factor exhibits a BLAST E value score of less than 1E-08 using default parameters with BLAST version 2.0, preferably a BLAST E value score of between about 1E-30 and about 1E-08 using default parameters with BLAST version 2.0, even more preferably a BLAST probability E value score of less than 1E-30 with its homologue using default parameters with BLAST version 2.0.

In another preferred embodiment of the present invention, the nucleic acid molecule encoding a maize, soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof exhibits an E value score with a profile HMM using HMMER software version 2.1.1 with default parameters derived from a transcription factor family of less than 1E1.

In a preferred embodiment of the present invention, the nucleic acid molecule of the present invention encodes a maize, soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof where a maize, soybean, rice or *Arabidopsis thaliana* transcription factor exhibits a probability score using a Framealign search using Gencore software version 4.5.4 (Compugen, www.cgen.com) of less than 1E-3 using default parameters.

In a preferred embodiment, nucleic acid molecules having SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements and fragments of either can be utilized to obtain such homologues.

In another further aspect of the present invention, nucleic acid molecules of the present invention can comprise sequences, which differ from those encoding a protein or fragment thereof in SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID 13478 due to fact that the different nucleic acid sequence encodes a protein having one or more conservative amino acid changes. It is understood that codons capable of coding for such conservative amino acid substitutions are known in the art.

It is well known in the art that one or more amino acids in a native sequence can be substituted with another amino acid(s), the charge and polarity of which are similar to that of the native amino acid, *i.e.*, a conservative amino acid substitution, resulting in a silent change. Conserved substitutes for an amino acid within the native polypeptide sequence can be selected from other members of the class to which the naturally occurring amino acid belongs. Amino acids can be divided into the following four groups: (1) acidic amino acids, (2) basic amino acids, (3) neutral polar amino acids, and (4) neutral nonpolar amino acids. Representative amino acids within these various groups include, but are not limited to, (1) acidic (negatively charged) amino acids such as

aspartic acid and glutamic acid; (2) basic (positively charged) amino acids such as arginine, histidine, and lysine; (3) neutral polar amino acids such as glycine, serine, threonine, cysteine, cystine, tyrosine, asparagine, and glutamine; and (4) neutral nonpolar (hydrophobic) amino acids such as alanine, leucine, isoleucine, valine, proline, phenylalanine, tryptophan, and methionine.

Conservative amino acid changes within the native polypeptide sequence can be made by substituting one amino acid within one of these groups with another amino acid within the same group. Biologically functional equivalents of the proteins or fragments thereof of the present invention can have ten or fewer conservative amino acid changes, more preferably seven or fewer conservative amino acid changes, and most preferably five or fewer conservative amino acid changes. The encoding nucleotide sequence will thus have corresponding base substitutions, permitting it to encode biologically functional equivalent forms of the proteins or fragments of the present invention.

It is understood that certain amino acids may be substituted for other amino acids in a protein structure without appreciable loss of interactive binding capacity with structures such as, for example, antigen-binding regions of antibodies or binding sites on substrate molecules. Because it is the interactive capacity and nature of a protein that defines that protein's biological functional activity, certain amino acid sequence substitutions can be made in a protein sequence and, of course, its underlying DNA coding sequence and, nevertheless, obtain a protein with like properties. It is thus contemplated by the inventors that various changes may be made in the peptide sequences of the proteins or fragments of the present invention, or corresponding DNA sequences that encode said peptides, without appreciable loss of their biological utility or activity. It is understood that codons capable of coding for such amino acid changes are known in the art.

In making such changes, the hydropathic index of amino acids may be considered. The importance of the hydropathic amino acid index in conferring interactive biological function on a protein is generally understood in the art (Kyte and Doolittle, *J. Mol. Biol.* 157, 105-132 (1982)). It is accepted that the relative hydropathic character of the amino acid contributes to the secondary structure of the resultant protein, which in turn defines

the interaction of the protein with other molecules, for example, enzymes, substrates, receptors, DNA, antibodies, antigens, and the like.

Each amino acid has been assigned a hydropathic index on the basis of its hydrophobicity and charge characteristics (Kyte and Doolittle, *J. Mol. Biol.* 157, 105-132 (1982)); these are isoleucine (+4.5), valine (+4.2), leucine (+3.8), phenylalanine (+2.8), cysteine/cystine (+2.5), methionine (+1.9), alanine (+1.8), glycine (-0.4), threonine (-0.7), serine (-0.8), tryptophan (-0.9), tyrosine (-1.3), proline (-1.6), histidine (-3.2), glutamate (-3.5), glutamine (-3.5), aspartate (-3.5), asparagine (-3.5), lysine (-3.9), and arginine (-4.5).

In making such changes, the substitution of amino acids whose hydropathic indices are within ± 2 is preferred, those which are within ± 1 are particularly preferred, and those within ± 0.5 are even more particularly preferred.

It is also understood in the art that the substitution of like amino acids can be made effectively on the basis of hydrophilicity. U.S. Patent 4,554,101 states that the greatest local average hydrophilicity of a protein, as governed by the hydrophilicity of its adjacent amino acids, correlates with a biological property of the protein.

In a further aspect of the present invention, one or more of the nucleic acid molecules of the present invention differ in nucleic acid sequence from those encoding a protein or fragment thereof set forth in SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or fragment thereof due to the fact that one or more codons encoding an amino acid has been substituted for a codon that encodes a nonessential substitution of the amino acid originally encoded.

Agents of the invention include nucleic acid molecules that encode at least about a contiguous 10 amino acid region of a protein of the present invention, more preferably at least about a contiguous 25, 40, 50, 100, or 125 amino acid region of a protein of the present invention. In a preferred embodiment the protein is selected from the group consisting of a plant, more preferably a maize, soybean, *Arabidopsis* or rice from a transcription factor listed from the group consisting of Table 1.

Agents of the present invention include nucleic acid molecules that encode a maize, soybean, rice or *Arabidopsis thaliana* transcription factor or fragment thereof and particularly substantially purified nucleic acid molecules selected from the group consisting of a Table 1.

Non-limiting examples of such nucleic acid molecules of the present invention are nucleic acid molecules comprising: SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or fragment thereof that encode for a plant transcription factor or fragment thereof.

(c) Protein and Peptide Molecules

A preferred class of agents includes proteins or fragments thereof or peptide molecules having an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 15686. An additional preferred class of proteins are those having an amino acid sequence selected from the group consisting of SEQ ID NO: 15687 through SEQ ID NO: 24143.

As used herein, the term "protein molecule" or "peptide molecule" includes any molecule that comprises five or more amino acids. It is well known in the art that proteins may undergo modification, including post-translational modifications, such as, but not limited to, disulfide bond formation, glycosylation, phosphorylation, or oligomerization. Thus, as used herein, the term "protein molecule" or "peptide molecule" includes any protein molecule that is modified by any biological or non-biological process. The terms "amino acid" and "amino acids" refer to all naturally occurring L-amino acids. This definition is meant to include norleucine, norvaline, ornithine, homocysteine, and homoserine.

One or more of the protein or fragment of peptide molecules may be produced via chemical synthesis, or more preferably, by expressing in a suitable bacterial or eukaryotic host. Suitable methods for expression are described by Sambrook *et al.*, In: *Molecular Cloning, A Laboratory Manual, 2nd Edition*, Cold Spring Harbor Press, Cold Spring Harbor, New York (1989), or similar texts.

A “protein fragment” is a peptide or polypeptide molecule whose amino acid sequence comprises a subset of the amino acid sequence of that protein. A protein or fragment thereof that comprises one or more additional peptide regions not derived from that protein is a “fusion” protein. Such molecules may be derivatized to contain carbohydrate or other moieties (such as keyhole limpet hemocyanin, etc.). Fusion protein or peptide molecules of the invention are preferably produced via recombinant means.

Another class of agents comprise protein or peptide molecules or fragments or fusions thereof comprising SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 15686 and SEQ ID NO: 15687 through SEQ ID NO: 24143 or fragment thereof or encoded by SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 in which conservative, non-essential or non-relevant amino acid residues have been added, replaced or deleted. Computerized means for designing modifications in protein structure are known in the art (Dahiyat and Mayo, *Science* 278:82-87 (1997)).

In a preferred embodiment, nucleic acid molecules having SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements and fragments of any can be utilized to obtain such homologues.

Agents of the invention include proteins comprising at least about a contiguous amino acid region more preferably comprising at least a contiguous 25, 40, 50, 75 or 125 amino acid region of a protein or fragment thereof of the present invention. In another preferred embodiment, the proteins of the present invention include a between about 10 and about 25 contiguous amino acid region, more preferably between about 20 and about 50 contiguous amino acid region and even more preferably between about 40 and about 80 contiguous amino acid region.

In a preferred embodiment the protein is selected from the group consisting of a plant, more preferably a maize, soybean, rice or *Arabidopsis* transcription factor from the group consisting of Table 1. In another preferred embodiment, the protein comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ

ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 15686 and SEQ ID NO: 15687 through SEQ ID NO: 24143.

Protein molecules of the present invention include homologues of proteins or fragments thereof comprising a protein sequence selected from SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 15686 and SEQ ID NO: 15687 through SEQ ID NO: 24143 or fragment thereof or encoded by SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or fragments thereof. Preferred protein molecules of the invention include homologues of proteins or fragments having an amino acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 15686 and SEQ ID NO: 15687 through SEQ ID NO: 24143 or fragment thereof.

A homologue protein may be derived from, but not limited to, alfalfa, barley, *Brassica*, broccoli, cabbage, citrus, cotton, garlic, oat, oilseed rape, onion, canola, flax, an ornamental plant, pea, peanut, pepper, potato, rye, sorghum, strawberry, sugarcane, sugarbeet, tomato, wheat, poplar, pine, fir, eucalyptus, apple, lettuce, lentils, grape, banana, tea, turf grasses, sunflower, oil palm, *Phaseolus* etc. Particularly preferred species for use in the isolation of homologs would include, barley, cotton, oat, oilseed rape, canola, ornamentals, sugarcane, sugarbeet, tomato, potato, wheat and turf grasses. Such a homologue can be obtained by any of a variety of methods. Most preferably, as indicated above, one or more of the disclosed sequences (such as SEQ ID NO: 1287 through SEQ ID NO: 3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof) will be used in defining a pair of primers to isolate the homologue-encoding nucleic acid molecules from any desired species. Such molecules can be expressed to yield protein homologues by recombinant means.

(d) Plant Constructs and Plant Transformants

One or more of the nucleic acid molecules of the invention may be used in plant transformation or transfection. Exogenous genetic material may be transferred into a plant cell and the plant cell regenerated into a whole, fertile or sterile plant. Exogenous genetic material is any genetic material, whether naturally occurring or otherwise, from any source that is capable of being inserted into any organism. In a preferred embodiment the exogenous genetic material includes a nucleic acid molecule of the present invention, preferably a nucleic acid molecule having at least 20 nucleotides of a sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 and complements thereof.

Such genetic material may be transferred into either monocotyledons and dicotyledons including, but not limited to alfalfa, barley, *Brassica*, broccoli, cabbage, citrus, cotton, garlic, oat, oilseed rape, onion, canola, flax, an ornamental plant, pea, peanut, pepper, potato, rye, sorghum, strawberry, sugarcane, sugarbeet, tomato, wheat, poplar, pine, fir, eucalyptus, apple, lettuce, lentils, grape, banana, tea, turf grasses, sunflower, oil palm, *Phaseolus* etc (Christou, In: *Particle Bombardment for Genetic Engineering of Plants*, Biotechnology Intelligence Unit. Academic Press, San Diego, California (1996)).

Transfer of a nucleic acid that encodes for a protein can result in overexpression of that protein in a transformed cell or transgenic plant. One or more of the proteins or fragments thereof encoded by nucleic acid molecules of the invention may be overexpressed in a transformed cell or transformed plant. Such overexpression may be the result of transient or stable transfer of the exogenous genetic material.

Exogenous genetic material may be transferred into a host cell by the use of a DNA vector or construct designed for such a purpose. Design of such a vector is generally within the skill of the art (See, *Plant Molecular Biology: A Laboratory Manual*, Clark (ed.), Springer, New York (1997)).

A construct or vector may include a plant promoter to express the protein or protein fragment of choice. A number of promoters, which are active in plant cells, have been described in the literature. These include the nopaline synthase (NOS) promoter

(Ebert *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 84:5745-5749 (1987), the octopine synthase (OCS) promoter (which are carried on tumor-inducing plasmids of *Agrobacterium tumefaciens*), the caulimovirus promoters such as the cauliflower mosaic virus (CaMV) 19S promoter (Lawton *et al.*, *Plant Mol. Biol.* 9:315-324 (1987)) and the CaMV 35S promoter (Odell *et al.*, *Nature* 313:810-812 (1985)), the figwort mosaic virus 35S-promoter, the light-inducible promoter from the small subunit of ribulose-1,5-bis-phosphate carboxylase (ssRUBISCO), the Adh promoter (Walker *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 84:6624-6628 (1987)), the sucrose synthase promoter (Yang *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 87:4144-4148 (1990)), the R gene complex promoter (Chandler *et al.*, *The Plant Cell* 1:1175-1183 (1989)) and the chlorophyll a/b binding protein gene promoter, etc. These promoters have been used to create DNA constructs that have been expressed in plants; *see, e.g.*, PCT publication WO 84/02913. The CaMV 35S promoters are preferred for use in plants. Promoters known or found to cause transcription of DNA in plant cells can be used in the invention.

For the purpose of expression in source tissues of the plant, such as the leaf, seed, root or stem, it is preferred that the promoters utilized have relatively high expression in these specific tissues. Tissue-specific expression of a protein of the present invention is a particularly preferred embodiment. For this purpose, one may choose from a number of promoters for genes with tissue- or cell-specific or -enhanced expression. Examples of such promoters reported in the literature include the chloroplast glutamine synthetase GS2 promoter from pea (Edwards *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 87:3459-3463 (1990)), the chloroplast fructose-1,6-biphosphatase (FBPase) promoter from wheat (Lloyd *et al.*, *Mol. Gen. Genet.* 225:209-216 (1991)), the nuclear photosynthetic ST-LS1 promoter from potato (Stockhaus *et al.*, *EMBO J.* 8:2445-2451 (1989)), the serine/threonine kinase (PAL) promoter and the glucoamylase (CHS) promoter from *Arabidopsis thaliana*. Also reported to be active in photosynthetically active tissues are the ribulose-1,5-bisphosphate carboxylase (RbcS) promoter from eastern larch (*Larix laricina*), the promoter for the *cab* gene, *cab6*, from pine (Yamamoto *et al.*, *Plant Cell Physiol.* 35:773-778 (1994)), the promoter for the *Cab-1* gene from wheat (Fejes *et al.*, *Plant Mol. Biol.* 15:921-932 (1990)), the promoter for the *CAB-1* gene from spinach (Lubberstedt *et al.*,

Plant Physiol. 104:997-1006 (1994)), the promoter for the cab1R gene from rice (Luan *et al.*, *Plant Cell.* 4:971-981 (1992)), the pyruvate, orthophosphate dikinase (PPDK) promoter from maize (Matsuoka *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 90: 9586-9590 (1993)), the promoter for the tobacco Lhcb1*2 gene (Cerdan *et al.*, *Plant Mol. Biol.* 33:245-255 (1997)), the *Arabidopsis thaliana* SUC2 sucrose-H⁺ symporter promoter (Truernit *et al.*, *Planta.* 196:564-570 (1995)) and the promoter for the thylakoid membrane proteins from spinach (psaD, psaF, psaE, PC, FNR, atpC, atpD, cab, rbcS). Other promoters for the chlorophyll a/b-binding proteins may also be utilized in the invention, such as the promoters for LhcB gene and PsbP gene from white mustard (*Sinapis alba*; Kretsch *et al.*, *Plant Mol. Biol.* 28:219-229 (1995)).

For the purpose of expression in sink tissues of the plant, such as the tuber of the potato plant, the fruit of tomato, or the seed of maize, wheat, rice and barley, it is preferred that the promoters utilized in the invention have relatively high expression in these specific tissues. A number of promoters for genes with tuber-specific or -enhanced expression are known, including the class I patatin promoter (Bevan *et al.*, *EMBO J.* 8:1899-1906 (1986); Jefferson *et al.*, *Plant Mol. Biol.* 14:995-1006 (1990)), the promoter for the potato tuber ADPGPP genes, both the large and small subunits, the sucrose synthase promoter (Salanoubat and Belliard, *Gene* 60:47-56 (1987)), Salanoubat and Belliard, *Gene* 84:181-185 (1989), the promoter for the major tuber proteins including the 22 kd protein complexes and proteinase inhibitors (Hannapel, *Plant Physiol.* 101:703-704 (1993)), the promoter for the granule bound starch synthase gene (GBSS) (Visser *et al.*, *Plant Mol. Biol.* 17:691-699 (1991)) and other class I and II patatins promoters (Koster-Topfer *et al.*, *Mol Gen Genet.* 219:390-396 (1989); Mignery *et al.*, *Gene.* 62:27-44 (1988)).

Other promoters can also be used to express a protein or fragment thereof in specific tissues, such as seeds or fruits. The promoter for β -conglycinin (Chen *et al.*, *Dev. Genet.* 10: 112-122 (1989)) or other seed-specific promoters such as the napin and phaseolin promoters, can be used. The zeins are a group of storage proteins found in maize endosperm. Genomic clones for zein genes have been isolated (Pedersen *et al.*, *Cell* 29:1015-1026 (1982)) and the promoters from these clones, including the 15 kD, 16

kD, 19 kD, 22 kD, 27 kD and genes, could also be used. Other promoters known to function, for example, in maize include the promoters for the following genes: *waxy*, *Brittle*, *Shrunken 2*, Branching enzymes I and II, starch synthases, debranching enzymes, oleosins, glutelins and sucrose synthases. A particularly preferred promoter for maize

5 endosperm expression is the promoter for the glutelin gene from rice, more particularly the Osgt-1 promoter (Zheng *et al.*, *Mol. Cell Biol.* 13:5829-5842 (1993)). Examples of promoters suitable for expression in wheat include those promoters for the ADPglucose pyrosynthase (ADPGPP) subunits, the granule bound and other starch synthase, the branching and debranching enzymes, the embryogenesis-abundant proteins, the gliadins

10 and the glutenins. Examples of such promoters in rice include those promoters for the ADPGPP subunits, the granule bound and other starch synthase, the branching enzymes, the debranching enzymes, sucrose synthases and the glutelins. A particularly preferred promoter is the promoter for rice glutelin, Osgt-1. Examples of such promoters for barley include those for the ADPGPP subunits, the granule bound and other starch synthase, the

15 branching enzymes, the debranching enzymes, sucrose synthases, the hordeins, the embryo globulins and the aleurone specific proteins.

Root specific promoters may also be used. An example of such a promoter is the promoter for the acid chitinase gene (Samac *et al.*, *Plant Mol. Biol.* 25:587-596 (1994)). Expression in root tissue could also be accomplished by utilizing the root specific

20 subdomains of the CaMV35S promoter that have been identified (Lam *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 86:7890-7894 (1989)). Other root cell specific promoters include those reported by Conkling *et al.* (Conkling *et al.*, *Plant Physiol.* 93:1203-1211 (1990)).

Additional promoters that may be utilized are described, for example, in U.S. Patent Nos. 5,378,619; 5,391,725; 5,428,147; 5,447,858; 5,608,144; 5,608,144;

25 5,614,399; 5,633,441; 5,633,435; and 4,633,436. In addition, a tissue specific enhancer may be used (Fromm *et al.*, *The Plant Cell* 1:977-984 (1989)).

Constructs or vectors may also include, with the coding region of interest, a nucleic acid sequence that acts, in whole or in part, to terminate transcription of that region. A number of such sequences have been isolated, including the Tr7 3' sequence

and the NOS 3' sequence (Ingelbrecht *et al.*, *The Plant Cell* 1:671-680 (1989); Bevan *et al.*, *Nucleic Acids Res.* 11:369-385 (1983))

A vector or construct may also include regulatory elements. Examples of such include the Adh intron 1 (Callis *et al.*, *Genes and Develop.* 1:1183-1200 (1987)), the
 5 sucrose synthase intron (Vasil *et al.*, *Plant Physiol.* 91:1575-1579 (1989)) and the TMV omega element (Gallie *et al.*, *The Plant Cell* 1:301-311 (1989)). These and other regulatory elements may be included when appropriate.

A vector or construct may also include a selectable marker. Selectable markers may also be used to select for plants or plant cells that contain the exogenous genetic
 10 material. Examples of such include, but are not limited to: a neomycin phosphotransferase gene (U.S. Patent 5,034,322), which codes for kanamycin resistance and can be selected for using kanamycin, G418, etc.; a bar gene which codes for bialaphos resistance; genes which encode glyphosate resistance (U.S. Patents 4,940,835; 5,188,642; 4,971,908; 5,627,061); a nitrilase gene which confers resistance to bromoxynil (Stalker *et al.*, *J. Biol. Chem.* 263:6310-6314 (1988)); a mutant acetolactate synthase gene (ALS)
 15 which confers imidazolinone or sulphonylurea resistance (European Patent Application 154,204 (Sept. 11, 1985)); and a methotrexate resistant DHFR gene (Thillet *et al.*, *J. Biol. Chem.* 263:12500-12508 (1988)).

A vector or construct may also include DNA sequence which encodes a transit
 20 peptide. Incorporation of a suitable chloroplast transit peptide may also be employed (European Patent Application Publication Number 0218571). Translational enhancers may also be incorporated as part of the vector DNA. DNA constructs could contain one or more 5' non-translated leader sequences which may serve to enhance expression of the gene products from the resulting mRNA transcripts. Such sequences may be derived
 25 from the promoter selected to express the gene or can be specifically modified to increase translation of the mRNA. Such regions may also be obtained from viral RNAs, from suitable eukaryotic genes, or from a synthetic gene sequence. For a review of optimizing expression of transgenes, see Koziel *et al.*, *Plant Mol. Biol.* 32:393-405 (1996).

A vector or construct may also include a screenable marker. Screenable markers
 30 may be used to monitor expression. Exemplary screenable markers include: a β -glucuro-

nidase or uidA gene (GUS) which encodes an enzyme for which various chromogenic substrates are known (Jefferson, *Plant Mol. Biol. Rep.* 5:387-405 (1987); Jefferson *et al.*, *EMBO J.* 6:3901-3907 (1987)); an R-locus gene, which encodes a product that regulates the production of anthocyanin pigments (red color) in plant tissues (Dellaporta *et al.*,
 5 Stadler Symposium 11:263-282 (1988)); a β -lactamase gene (Sutcliffe *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 75:3737-3741 (1978)), a gene which encodes an enzyme for which various chromogenic substrates are known (*e.g.*, PADAC, a chromogenic cephalosporin); a luciferase gene (Ow *et al.*, *Science* 234:856-859 (1986)); a xylE gene (Zukowsky *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 80:1101-1105 (1983)) which encodes a catechol dioxygen-
 10 ase that can convert chromogenic catechols; an α -amylase gene (Ikata *et al.*, *Bio/Technol.* 8:241-242 (1990)); a tyrosinase gene (Katz *et al.*, *J. Gen. Microbiol.* 129:2703-2714 (1983)) which encodes an enzyme capable of oxidizing tyrosine to DOPA and dopaquinone which in turn condenses to melanin; an α -galactosidase, which will turn a chromogenic α -galactose substrate.

15 Included within the terms "selectable or screenable marker genes" are also genes which encode a secretable marker whose secretion can be detected as a means of identifying or selecting for transformed cells. Examples include markers which encode a secretable antigen that can be identified by antibody interaction, or even secretable enzymes which can be detected catalytically. Secretable proteins fall into a number of classes, in-
 20 cluding small, diffusible proteins which are detectable, (*e.g.*, by ELISA), small active enzymes which are detectable in extracellular solution (*e.g.*, α -amylase, β -lactamase, phosphinothricin transferase), or proteins which are inserted or trapped in the cell wall (such as proteins which include a leader sequence such as that found in the expression unit of extension or tobacco PR-S). Other possible selectable and/or screenable marker
 25 genes will be apparent to those of skill in the art.

There are many methods for introducing transforming nucleic acid molecules into plant cells. Suitable methods are believed to include virtually any method by which nucleic acid molecules may be introduced into a cell, such as by *Agrobacterium* infection or direct delivery of nucleic acid molecules such as, for example, by PEG-mediated transfor-
 30 mation, by electroporation or by acceleration of DNA coated particles, etc (Potrykus,

Ann. Rev. Plant Physiol. Plant Mol. Biol. 42:205-225 (1991); Vasil, *Plant Mol. Biol.* 25:925-937 (1994)). For example, electroporation has been used to transform maize protoplasts (Fromm *et al.*, *Nature* 312:791-793 (1986)).

Other vector systems suitable for introducing transforming DNA into a host plant cell include but are not limited to binary artificial chromosome (BIBAC) vectors (Hamilton *et al.*, *Gene* 200:107-116 (1997)); and transfection with RNA viral vectors (Della-Cioppa *et al.*, *Ann. N.Y. Acad. Sci.* (1996), 792 (Engineering Plants for Commercial Products and Applications), 57-61). Additional vector systems also include plant selectable YAC vectors such as those described in Mullen *et al.*, *Molecular Breeding* 4:449-457 (1988)).

Technology for introduction of DNA into cells is well known to those of skill in the art. Four general methods for delivering a gene into cells have been described: (1) chemical methods (Graham and van der Eb, *Virology* 54:536-539 (1973)); (2) physical methods such as microinjection (Capecchi, *Cell* 22:479-488 (1980)), electroporation (Wong and Neumann, *Biochem. Biophys. Res. Commun.* 107:584-587 (1982); Fromm *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 82:5824-5828 (1985); U.S. Patent No. 5,384,253); and the gene gun (Johnston and Tang, *Methods Cell Biol.* 43:353-365 (1994)); (3) viral vectors (Clapp, *Clin. Perinatol.* 20:155-168 (1993); Lu *et al.*, *J. Exp. Med.* 178:2089-2096 (1993); Eglitis and Anderson, *Biotechniques* 6:608-614 (1988)); and (4) receptor-mediated mechanisms (Curiel *et al.*, *Hum. Gen. Ther.* 3:147-154 (1992), Wagner *et al.*, *Proc. Natl. Acad. Sci. (USA)* 89:6099-6103 (1992)).

Acceleration methods that may be used include, for example, microprojectile bombardment and the like. One example of a method for delivering transforming nucleic acid molecules to plant cells is microprojectile bombardment. This method has been reviewed by Yang and Christou (eds.), *Particle Bombardment Technology for Gene Transfer*, Oxford Press, Oxford, England (1994)). Non-biological particles (microprojectiles) may be coated with nucleic acids and delivered into cells by a propelling force. Exemplary particles include those comprised of tungsten, gold, platinum and the like.

A particular advantage of microprojectile bombardment, in addition to it being an effective means of reproducibly transforming monocots, is that neither the isolation of protoplasts (Cristou *et al.*, *Plant Physiol.* 87:671-674 (1988)) nor the susceptibility of *Agrobacterium* infection are required. An illustrative embodiment of a method for delivering DNA into maize cells by acceleration is a biolistics α -particle delivery system, which can be used to propel particles coated with DNA through a screen, such as a stainless steel or Nytex screen, onto a filter surface covered with corn cells cultured in suspension. Gordon-Kamm *et al.*, describes the basic procedure for coating tungsten particles with DNA (Gordon-Kamm *et al.*, *Plant Cell* 2:603-618 (1990)). The screen disperses the tungsten nucleic acid particles so that they are not delivered to the recipient cells in large aggregates. A particle delivery system suitable for use with the invention is the helium acceleration PDS-1000/He gun is available from Bio-Rad Laboratories (Bio-Rad, Hercules, California)(Sanford *et al.*, *Technique* 3:3-16 (1991)).

For the bombardment, cells in suspension may be concentrated on filters. Filters containing the cells to be bombarded are positioned at an appropriate distance below the microprojectile stopping plate. If desired, one or more screens are also positioned between the gun and the cells to be bombarded.

Alternatively, immature embryos or other target cells may be arranged on solid culture medium. The cells to be bombarded are positioned at an appropriate distance below the microprojectile stopping plate. If desired, one or more screens are also positioned between the acceleration device and the cells to be bombarded. Through the use of techniques set forth herein one may obtain up to 1000 or more foci of cells transiently expressing a screenable or selectable marker gene. The number of cells in a focus which express the exogenous gene product 48 hours post-bombardment often range from one to ten and average one to three.

In bombardment transformation, one may optimize the pre-bombardment culturing conditions and the bombardment parameters to yield the maximum numbers of stable transformants. Both the physical and biological parameters for bombardment are important in this technology. Physical factors are those that involve manipulating the DNA/microprojectile precipitate or those that affect the flight and velocity of either the macro-

or microprojectiles. Biological factors include all steps involved in manipulation of cells before and immediately after bombardment, the osmotic adjustment of target cells to help alleviate the trauma associated with bombardment and also the nature of the transforming DNA, such as linearized DNA or intact supercoiled plasmids. It is believed that pre-bom-
 5 bombardment manipulations are especially important for successful transformation of imma-
 ture embryos.

In another alternative embodiment, plastids can be stably transformed. Methods disclosed for plastid transformation in higher plants include the particle gun delivery of DNA containing a selectable marker and targeting of the DNA to the plastid genome
 10 through homologous recombination (Svab *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 87:8526-8530 (1990); Svab and Maliga, *Proc. Natl. Acad. Sci. (U.S.A.)* 90:913-917 (1993); Staub and Maliga, *EMBO J.* 12:601-606 (1993); U.S. Patents 5, 451,513 and 5,545,818).

Accordingly, it is contemplated that one may wish to adjust various aspects of the bombardment parameters in small-scale studies to fully optimize the conditions. One
 15 may particularly wish to adjust physical parameters such as gap distance, flight distance, tissue distance and helium pressure. One may also minimize the trauma reduction factors by modifying conditions which influence the physiological state of the recipient cells and which may therefore influence transformation and integration efficiencies. For example, the osmotic state, tissue hydration and the subculture stage or cell cycle of the recipient
 20 cells may be adjusted for optimum transformation. The execution of other routine adjustments will be known to those of skill in the art in light of the present disclosure.

Agrobacterium-mediated transfer is a widely applicable system for introducing genes into plant cells because the DNA can be introduced into whole plant tissues, thereby bypassing the need for regeneration of an intact plant from a protoplast. The use
 25 of *Agrobacterium*-mediated plant integrating vectors to introduce DNA into plant cells is well known in the art. See, for example the methods described by Fraley *et al.*, *Bio/Technology* 3:629-635 (1985) and Rogers *et al.*, *Methods Enzymol.* 153:253-277 (1987). Further, the integration of the Ti-DNA is a relatively precise process resulting in few rearrangements. The region of DNA to be transferred is defined by the border

sequences and intervening DNA is usually inserted into the plant genome as described (Spielmann *et al.*, *Mol. Gen. Genet.* 205:34 (1986)).

Modern *Agrobacterium* transformation vectors are capable of replication in *E. coli* as well as *Agrobacterium*, allowing for convenient manipulations as described (Klee *et al.*, In: *Plant DNA Infectious Agents*, Hohn and Schell (eds.), Springer-Verlag, New York, pp. 179-203 (1985)). Moreover, technological advances in vectors for *Agrobacterium*-mediated gene transfer have improved the arrangement of genes and restriction sites in the vectors to facilitate construction of vectors capable of expressing various polypeptide coding genes. The vectors described have convenient multi-linker regions flanked by a promoter and a polyadenylation site for direct expression of inserted polypeptide coding genes and are suitable for present purposes (Rogers *et al.*, *Methods Enzymol.* 153:253-277 (1987)). In addition, *Agrobacterium* containing both armed and disarmed Ti genes can be used for the transformations. In those plant strains where *Agrobacterium*-mediated transformation is efficient, it is the method of choice because of the facile and defined nature of the gene transfer.

A transgenic plant formed using *Agrobacterium* transformation methods typically contains a single gene on one chromosome. Such transgenic plants can be referred to as being heterozygous for the added gene. More preferred is a transgenic plant that is homozygous for the added structural gene; *i.e.*, a transgenic plant that contains two added genes, one gene at the same locus on each chromosome of a chromosome pair. A homozygous transgenic plant can be obtained by sexually mating (selfing) an independent segregant transgenic plant that contains a single added gene, germinating some of the seed produced and analyzing the resulting plants produced for the gene of interest.

It is also to be understood that two different transgenic plants can also be mated to produce offspring that contain two independently segregating, exogenous genes. Selfing of appropriate progeny can produce plants that are homozygous for both added, exogenous genes that encode a polypeptide of interest. Backcrossing to a parental plant and outcrossing with a non-transgenic plant are also contemplated, as is vegetative propagation.

Transformation of plant protoplasts can be achieved using methods based on calcium phosphate precipitation, polyethylene glycol treatment, electroporation and

combinations of these treatments (*See, for example, Potrykus et al., Mol. Gen. Genet.* 205:193-200 (1986); Lorz *et al., Mol. Gen. Genet.* 199:178 (1985); Fromm *et al., Nature* 319:791 (1986); Uchimiya *et al., Mol. Gen. Genet.* 204:204 (1986); Marcotte *et al., Nature* 335:454-457 (1988)).

5 Application of these systems to different plant strains depends upon the ability to regenerate that particular plant strain from protoplasts. Illustrative methods for the regeneration of cereals from protoplasts are described (Fujimura *et al., Plant Tissue Culture Letters* 2:74 (1985); Toriyama *et al., Theor Appl. Genet.* 205:34 (1986); Yamada *et al., Plant Cell Rep.* 4:85 (1986); Abdullah *et al., Biotechnology* 4:1087 (1986)).

10 To transform plant strains that cannot be successfully regenerated from protoplasts, other ways to introduce DNA into intact cells or tissues can be utilized. For example, regeneration of cereals from immature embryos or explants can be effected as described (Vasil, *Biotechnology* 6:397 (1988)). In addition, "particle gun" or high-velocity microprojectile technology can be utilized (Vasil *et al., Bio/Technology* 10:667
15 (1992)).

 Using the latter technology, DNA is carried through the cell wall and into the cytoplasm on the surface of small metal particles as described (Klein *et al., Nature* 328:70 (1987); Klein *et al., Proc. Natl. Acad. Sci. (U.S.A.)* 85:8502-8505 (1988); McCabe *et al., Bio/Technology* 6:923 (1988)). The metal particles penetrate through
20 several layers of cells and thus allow the transformation of cells within tissue explants.

 The regeneration, development and cultivation of plants from single plant protoplast transformants or from various transformed explants are well known in the art (Weissbach and Weissbach, In: *Methods for Plant Molecular Biology*, Academic Press, San Diego, CA, (1988)). This regeneration and growth process typically includes the
25 steps of selection of transformed cells, culturing those individualized cells through the usual stages of embryonic development through the rooted plantlet stage. Transgenic embryos and seeds are similarly regenerated. The resulting transgenic rooted shoots are thereafter planted in an appropriate plant growth medium such as soil.

 The development or regeneration of plants containing the foreign, exogenous gene
30 that encodes a protein of interest is well known in the art. Preferably, the regenerated

plants are self-pollinated to provide homozygous transgenic plants. Otherwise, pollen obtained from the regenerated plants is crossed to seed-grown plants of agronomically important lines. Conversely, pollen from plants of these important lines is used to pollinate regenerated plants. A transgenic plant of the invention containing a desired polypeptide is cultivated using methods well known to one skilled in the art.

There are a variety of methods for the regeneration of plants from plant tissue. The particular method of regeneration will depend on the starting plant tissue and the particular plant species to be regenerated.

Methods for transforming dicots, primarily by use of *Agrobacterium tumefaciens* and obtaining transgenic plants have been published for cotton (U.S. Patent No. 5,004,863; U.S. Patent No. 5,159,135; U.S. Patent No. 5,518,908); soybean (U.S. Patent No. 5,569,834; U.S. Patent No. 5,416,011; McCabe *et al.*, *Biotechnology* 6:923 (1988); Christou *et al.*, *Plant Physiol.* 87:671-674 (1988)); *Brassica* (U.S. Patent No. 5,463,174); peanut (Cheng *et al.*, *Plant Cell Rep.* 15:653-657 (1996), McKently *et al.*, *Plant Cell Rep.* 14:699-703 (1995)); papaya; and pea (Grant *et al.*, *Plant Cell Rep.* 15:254-258 (1995)).

Transformation of monocotyledons using electroporation, particle bombardment and *Agrobacterium* have also been reported. Transformation and plant regeneration have been achieved in asparagus (Bytebier *et al.*, *Proc. Natl. Acad. Sci. (USA)* 84:5354 (1987)); barley (Wan and Lemaux, *Plant Physiol* 104:37 (1994)); maize (Rhodes *et al.*, *Science* 240:204 (1988); Gordon-Kamm *et al.*, *Plant Cell* 2:603-618 (1990); Fromm *et al.*, *Bio/Technology* 8:833 (1990); Koziel *et al.*, *Bio/Technology* 11:194 (1993); Armstrong *et al.*, *Crop Science* 35:550-557 (1995)); oat (Somers *et al.*, *Bio/Technology* 10:1589 (1992)); orchard grass (Horn *et al.*, *Plant Cell Rep.* 7:469 (1988)); rice (Toriyama *et al.*, *Theor Appl. Genet.* 205:34 (1986); Part *et al.*, *Plant Mol. Biol.* 32:1135-1148 (1996); Abedinia *et al.*, *Aust. J. Plant Physiol.* 24:133-141 (1997); Zhang and Wu, *Theor. Appl. Genet.* 76:835 (1988); Zhang *et al.*, *Plant Cell Rep.* 7:379 (1988); Battraw and Hall, *Plant Sci.* 86:191-202 (1992); Christou *et al.*, *Bio/Technology* 9:957 (1991); rye (De la Pena *et al.*, *Nature* 325:274 (1987)); sugarcane (Bower and Birch, *Plant J.* 2:409 (1992); tall fescue (Wang *et al.*, *Bio/Technology* 10:691 (1992) and wheat (Vasil *et al.*, *Bio/Technology* 10:667 (1992); U.S. Patent No. 5,631,152)).

Assays for gene expression based on the transient expression of cloned nucleic acid constructs have been developed by introducing the nucleic acid molecules into plant cells by polyethylene glycol treatment, electroporation, or particle bombardment (Marcotte *et al.*, *Nature* 335:454-457 (1988); Marcotte *et al.*, *Plant Cell* 1:523-532 (1989); McCarty *et al.*, *Cell* 66:895-905 (1991); Hattori *et al.*, *Genes Dev.* 6:609-618 (1992); Goff *et al.*, *EMBO J.* 9:2517-2522 (1990)). Transient expression systems may be used to functionally dissect gene constructs (*see generally*, Mailga *et al.*, *Methods in Plant Molecular Biology*, Cold Spring Harbor Press (1995)).

Any of the nucleic acid molecules of the invention may be introduced into a plant cell in a permanent or transient manner in combination with other genetic elements such as vectors, promoters, enhancers, *etc.* Further, any of the nucleic acid molecules of the invention may be introduced into a plant cell in a manner that allows for overexpression of the protein or fragment thereof encoded by the nucleic acid molecule.

Cosuppression is the reduction in expression levels, usually at the level of RNA, of a particular endogenous gene or gene family by the expression of a homologous sense construct that is capable of transcribing mRNA of the same strandedness as the transcript of the endogenous gene (Napoli *et al.*, *Plant Cell* 2:279-289 (1990); van der Krol *et al.*, *Plant Cell* 2:291-299 (1990)). Cosuppression may result from stable transformation with a single copy nucleic acid molecule that is homologous to a nucleic acid sequence found within the cell (Proll and Meyer, *Plant J.* 2:465-475 (1992)) or with multiple copies of a nucleic acid molecule that is homologous to a nucleic acid sequence found within the cell (Mittlesten *et al.*, *Mol. Gen. Genet.* 244:325-330 (1994)). Genes, even though different, linked to homologous promoters may result in the cosuppression of the linked genes (Vaucheret, *C.R. Acad. Sci. III* 316:1471-1483 (1993); Flavell, *Proc. Natl. Acad. Sci. (U.S.A.)* 91:3490-3496 (1994)); van Blokland *et al.*, *Plant J.* 6:861-877 (1994); Jorgensen, *Trends Biotechnol.* 8:340-344 (1990); Meins and Kunz, In: *Gene Inactivation and Homologous Recombination in Plants*, Paszkowski (ed.), pp. 335-348, Kluwer Academic, Netherlands (1994)).

It is understood that one or more of the nucleic acids of the invention may be introduced into a plant cell and transcribed using an appropriate promoter with such transcription resulting in the cosuppression of an endogenous protein.

Antisense approaches are a way of preventing or reducing gene function by targeting the genetic material (U.S. Patents 4,801,540 and 5,107,065 Mol *et al.*, *FEBS Lett.* 268:427-430 (1990)). The objective of the antisense approach is to use a sequence complementary to the target gene to block its expression and create a mutant cell line or organism in which the level of a single chosen protein is selectively reduced or abolished. Antisense techniques have several advantages over other 'reverse genetic' approaches. The site of inactivation and its developmental effect can be manipulated by the choice of promoter for antisense genes or by the timing of external application or microinjection. Antisense can manipulate its specificity by selecting either unique regions of the target gene or regions where it shares homology to other related genes (Hiatt *et al.*, In: *Genetic Engineering*, Setlow (ed.), Vol. 11, New York: Plenum 49-63 (1989)).

The principle of regulation by antisense RNA is that RNA that is complementary to the target mRNA is introduced into cells, resulting in specific RNA:RNA duplexes being formed by base pairing between the antisense substrate and the target mRNA (Green *et al.*, *Annu. Rev. Biochem.* 55:569-597 (1986)). Under one embodiment, the process involves the introduction and expression of an antisense gene sequence. Such a sequence is one in which part or all of the normal gene sequences are placed under a promoter in inverted orientation so that the 'wrong' or complementary strand is transcribed into a noncoding antisense RNA that hybridizes with the target mRNA and interferes with its expression (Takayama and Inouye, *Crit. Rev. Biochem. Mol. Biol.* 25:155-184 (1990)). An antisense vector is constructed by standard procedures and introduced into cells by transformation, transfection, electroporation, microinjection, infection, etc. The type of transformation and choice of vector will determine whether expression is transient or stable. The promoter used for the antisense gene may influence the level, timing, tissue, specificity, or inducibility of the antisense inhibition.

It is understood that the activity of a protein in a plant cell may be reduced or depressed by growing a transformed plant cell containing a nucleic acid molecule whose non-transcribed strand encodes a protein or fragment thereof.

Post transcriptional gene silencing (PTGS) can result in virus immunity or gene silencing in plants. PTGS is induced by dsRNA and is mediated by an RNA-dependent RNA polymerase, present in the cytoplasm, that requires a dsRNA template. The dsRNA is formed by hybridization of complementary transgene mRNAs or complementary regions of the same transcript. Duplex formation can be accomplished by using transcripts from one sense gene and one antisense gene co-located in the plant genome, a single transcript that has self-complementarity, or sense and antisense transcripts from genes brought together by crossing. The dsRNA-dependent RNA polymerase makes a complementary strand from the transgene mRNA and RNase molecules attach to this complementary strand (cRNA). These cRNA-RNase molecules hybridize to the endogene mRNA and cleave the single-stranded RNA adjacent to the hybrid. The cleaved single-stranded RNAs are further degraded by other host RNases because one will lack a capped 5' end and the other will lack a poly(A) tail (Waterhouse *et al.*, *PNAS* 95: 13959-13964 (1998)).

It is understood that one or more of the nucleic acids of the invention may be introduced into a plant cell and transcribed using an appropriate promoter with such transcription resulting in the postranscriptional gene silencing of an endogenous transcript.

Homologous recombination may be used to prevent gene function (Capecchi, M.R. *Science*, 244:1288-1292(1989)). In one example, a gene to be knocked out may be interrupted with a selectable marker gene that lacks its own promoter. After transformation, selection for the marker is applied. Few heterologous insertions result in the incorporation of the marker gene into a genomic sequence encoding an mRNA, so the marker is rarely expressed. Homologous recombination results in the incorporation of the marker into the transcription unit of the target gene, allowing marker expression and the survival of the cell during the selection.

Gene targeting can also be performed without the use of selection (Capecchi, M.R. *Science*, 244:1288-1292(1989), Bollag *et. al. Ann. Rev. Gen.* 23:199-224 (1989)). For example, a gene can be knocked out with a copy of the gene containing an insertion disrupting the reading frame and the transformed cells can then be analyzed by the PCR
 5 reaction. The PCR uses two primers, one that anneals to the inserted sequence and one that anneals to the native DNA beyond the end of the transformed fragment. In the event of homologous recombination, only, will the PCR yield a fragment of the expected size.

It is understood that one or more of the nucleic acids of the invention may be included in a "Knockout construct" meaning that a DNA sequence has been altered via
 10 any known means, for example, deletion, insertion, point mutation or rearrangement, so as to eliminate the function of the naturally occurring nucleic acid sequence, but not so as to alter the ability of the DNA sequence to recombine with the naturally-occurring sequence United States Patent 5,952,548.

Insertion mutations created by insertion elements may also prevent gene function
 15 (United States Patent 6,013,486). For example, in many dicot plants, transformation with the T-DNA of *Agrobacterium* may be readily achieved and large numbers of transformants can be rapidly obtained. Also, some species have lines with active transposable elements which can efficiently be used for the generation of large numbers of insertion mutations, while some other species lack such options.

Transposable-elements are a versatile class of insertional mutagen in that a variety
 20 of transposable elements have been identified, with representative elements having been found in all eukaryotic genomes examined. As used herein, the term "transposable element" will mean any mobile genetic element which is capable of replicative or non-replicative transposition within a genome, causing insertional mutagenesis at the site of
 25 insertion. One example of a transposable element of maize contemplated to have particular utility in the generation of insertion mutations is the Mutator element (Bennetzen, J. *Mol. Appl. Genet.*, 2:519- 524 (1984); Talbert *et al. J. Mol. Evol.*, 29:28-39 (1989)), see Genbank Accession Numbers: x14224, x14225, g22495, g22466, g22373, m76978 and x97569). Other examples of transposable elements which are deemed
 30 particularly useful insertional mutagens are the Ac element (Geiser *et al. The EMBO*

Journal, 1:1455- 1460 (1982), 1982; U.S. Pat. No. 4,732,856, and the tobacco element slide-124 (Genbank Accession Number x97569)).

One preferred method which may be used for the selection and identification of insertional mutants obtained by transformation or transposable elements is described in United States Patent 6,013,486. Briefly, an insertion event in a genome is identified by first preparing a "DNA Composition Enhanced for a Plurality of Insertion Junctions". This phrase is defined as a DNA composition in which a non-locus specific selection of insertion junctions (the segment of DNA encompassing the end of an insertional mutagen and particularly, the flanking genomic DNA into which the insertional mutagen has inserted) has been enhanced relative to the starting DNA from which the DNA composition is derived. Such non-locus specific selections are prepared without the need for use of probes or primers which are specific to the locus or loci for which an insertion mutation is desired. The selection procedure will typically, instead, use probes or primers which are specific to the insertional mutagen. Examples of such procedures include inverse PCR (U.S. Pat. No. 4,994,370), primer adapted PCR (Mueller *et al.*, *Science*, 246:78-786 (1989)), and vectorette PCR (European Patent No. 0 439 330), AIMS (Souer *et al.*, *The Plant Journal*, 7(4):677-685, 1995)), or any other amplification or isolation procedure which is capable of being used to enhance a DNA composition for a diverse class of insertion junctions. Secondly, sequences from this DNA composition are arranged on a "detectable array". A detectable array is an arrangement of nucleic acid sequences from which specific sequences or subsets of sequences can be identified. The array can comprise DNA sequences bound to a solid support and can also include DNA compositions arranged in solution in suitable containers. The sequences will be ones which may be used to identify one or more specific insertion junctions. These sequences can, therefore, represent DNA of insertion junctions or, alternatively, sequences representing a particular locus for which an insertion mutation is desired. The insertion event can be identified by hybridizing gene-specific probes or using the PCR with gene-specific primers.

It is understood that one or more of the nucleic acid sequences of this invention may be used as probes or primers to detect insertion events according to the method described in United States Patent 6,013,486

Other methods to detect insertion events may also use the PCR. Further PCR-related examples of insertion detection can be found in, but are not limited to: Ballinger *et al.*, *Proc. Natl. Acad. Sci. USA*, 86:9402-9406 (1989), Rushforth, A. M., *et al.*, *Mol. Cell. Biol.*, 13:029-910 (1993), Zwaal, R.R., *et al.*, *Proc. Natl. Acad. Sci. USA*, 90:7431-7435 (1993), Koes, R. *et al.*, *Proc. Natl. Acad. Sci. USA* 92 8149-8153 (1995), Krysan *et al.*, *Proc. Natl. Acad. Sci. USA* 93, 8145-8150 (1996) and McKinney *et al.* *Plant J.* 8,613-622. (1995).

It is understood that one or more of the nucleic acid sequences of this invention may be used as primers to detect insertion events.

Antibodies have been expressed in plants (Hiatt *et al.*, *Nature* 342:76-78 (1989); Conrad and Fielder, *Plant Mol. Biol.* 26:1023-1030 (1994)). Cytoplasmic expression of a scFv (single-chain Fv antibodies) has been reported to delay infection by artichoke mottled crinkle virus. Transgenic plants that express antibodies directed against endogenous proteins may exhibit a physiological effect (Philips *et al.*, *EMBO J.* 16:4489-4496 (1997); Marion-Poll, *Trends in Plant Science* 2:447-448 (1997)). For example, expressed anti-abscissic antibodies have been reported to result in a general perturbation of seed development (Philips *et al.*, *EMBO J.* 16: 4489-4496 (1997)).

Antibodies that are catalytic may also be expressed in plants (abzymes). The principle behind abzymes is that since antibodies may be raised against many molecules, this recognition ability can be directed toward generating antibodies that bind transition states to force a chemical reaction forward (Persidas, *Nature Biotechnology* 15:1313-1315 (1997) Baca *et al.*, *Ann. Rev. Biophys. Biomol. Struct.* 26:461-493 (1997)). The catalytic abilities of abzymes may be enhanced by site directed mutagenesis. Examples of abzymes are, for example, set forth in U.S. Patent No: 5,658,753; U.S. Patent No. 5,632,990; U.S. Patent No. 5,631,137; U.S. Patent 5,602,015; U.S. Patent No. 5,559,538; U.S. Patent No. 5,576,174; U.S. Patent No. 5,500,358; U.S. Patent 5,318,897; U.S. Patent No. 5,298,409; U.S. Patent No. 5,258,289 and U.S. Patent No. 5,194,585.

It is understood that any of the antibodies of the invention may be expressed in plants and that such expression can result in a physiological effect. It is also understood that any of the expressed antibodies may be catalytic.

The present invention also provides for parts of the plants of the present invention. Plant parts, without limitation, include seed, endosperm, ovule and pollen. In a particularly preferred embodiment of the present invention, the plant part is a seed.

Exemplary Uses

Nucleic acid molecules and fragments thereof of the invention may be employed to obtain other nucleic acid molecules from the same species (nucleic acid molecules from maize may be utilized to obtain other nucleic acid molecules from maize). Such nucleic acid molecules include the nucleic acid molecules that encode the complete coding sequence of a protein and promoters and flanking sequences of such molecules. In addition, such nucleic acid molecules include nucleic acid molecules that encode for other isozymes or gene family members. Such molecules can be readily obtained by using the above-described nucleic acid molecules or fragments thereof to screen cDNA or genomic libraries. Methods for forming such libraries are well known in the art.

Nucleic acid molecules and fragments thereof of the invention may also be employed to obtain nucleic acid homologues. Such homologues include the nucleic acid molecule of other plants or other organisms (*e.g.*, alfalfa, barley, *Brassica*, broccoli, cabbage, citrus, cotton, garlic, oat, oilseed rape, onion, canola, flax, an ornamental plant, pea, peanut, pepper, potato, rye, sorghum, strawberry, sugarcane, sugarbeet, tomato, wheat, poplar, pine, fir, eucalyptus, apple, lettuce, lentils, grape, banana, tea, turf grasses, sunflower, oil palm, *Phaseolus*, etc.) including the nucleic acid molecules that encode, in whole or in part, protein homologues of other plant species or other organisms, sequences of genetic elements, such as promoters and transcriptional regulatory elements. Such molecules can be readily obtained by using the above-described nucleic acid molecules or fragments thereof to screen cDNA or genomic libraries obtained from such plant species. Methods for forming such libraries are well known in the art. Such homologue molecules may differ in their nucleotide sequences from those found in one or more of SEQ ID NO:

1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 and complements thereof.

Any of a variety of methods may be used to obtain one or more of the above-described nucleic acid molecules (Zamechik *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 83:4143-4146 (1986); Goodchild *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 85:5507-5511 (1988); Wickstrom *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 85:1028-1032 (1988); Holt *et al.*, *Molec. Cell. Biol.* 8:963-973 (1988); Gerwitz *et al.*, *Science* 242:1303-1306 (1988); Anfossi *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 86:3379-3383 (1989); Becker *et al.*, *EMBO J.* 8:3685-3691 (1989)). Automated nucleic acid synthesizers may be employed for this purpose. In lieu of such synthesis, the disclosed nucleic acid molecules may be used to define a pair of primers that can be used with the polymerase chain reaction (Mullis *et al.*, *Cold Spring Harbor Symp. Quant. Biol.* 51:263-273 (1986)); Erlich *et al.*, European Patent 50,424; European Patent 84,796; European Patent 258,017; European Patent 237,362; Mullis, European Patent 201,184; Mullis *et al.*, U.S. Patent 4,683,202; Erlich, U.S. Patent 4,582,788; and Saiki *et al.*, U.S. Patent 4,683,194) to amplify and obtain any desired nucleic acid molecule or fragment.

Promoter sequences and other genetic elements, including but not limited to transcriptional regulatory flanking sequences, associated with one or more of the disclosed nucleic acid sequences can also be obtained using the disclosed nucleic acid sequence provided herein. In one embodiment, such sequences are obtained by incubating nucleic acid molecules of the present invention with members of genomic libraries and recovering clones that hybridize to such nucleic acid molecules thereof. In a second embodiment, methods of "chromosome walking," or inverse PCR may be used to obtain such sequences (Frohman *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 85:8998-9002 (1988); Ohara *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 86:5673-5677 (1989); Pang *et al.*, *Biotechniques* 22:1046-1048 (1977); Huang *et al.*, *Methods Mol. Biol.* 69:89-96 (1997); Huang *et al.*, *Method Mol. Biol.* 67:287-294 (1997); Benkel *et al.*, *Genet. Anal.* 13:123-127 (1996); Hartl *et al.*, *Methods Mol. Biol.* 58:293-301 (1996)). The term "chromosome walking" means a process of extending a genetic map by successive hybridization steps.

The nucleic acid molecules of the invention may be used to isolate promoters of cell enhanced, cell specific, tissue enhanced, tissue specific, developmentally or environmentally regulated expression profiles. Isolation and functional analysis of the 5' flanking promoter sequences of these genes from genomic libraries, for example, using genomic screening methods and PCR techniques would result in the isolation of useful promoters and transcriptional regulatory elements. These methods are known to those of skill in the art and have been described (See, for example, Birren *et al.*, *Genome Analysis: Analyzing DNA*, 1, (1997), Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y.). Promoters obtained utilizing the nucleic acid molecules of the invention could also be modified to affect their control characteristics. Examples of such modifications would include but are not limited to enhancer sequences. Such genetic elements could be used to enhance gene expression of new and existing traits for crop improvement.

Another subset of the nucleic acid molecules of the invention includes nucleic acid molecules that are markers. The markers can be used in a number of conventional ways in the field of molecular genetics. Such markers include nucleic acid molecules SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof or fragments of either that can act as markers and other nucleic acid molecules of the present invention that can act as markers.

Genetic markers of the invention include "dominant" or "codominant" markers. "Codominant markers" reveal the presence of two or more alleles (two per diploid individual) at a locus. "Dominant markers" reveal the presence of only a single allele per locus. The presence of the dominant marker phenotype (*e.g.*, a band of DNA) is an indication that one allele is in either the homozygous or heterozygous condition. The absence of the dominant marker phenotype (*e.g.*, absence of a DNA band) is merely evidence that "some other" undefined allele is present. In the case of populations where individuals are predominantly homozygous and loci are predominately dimorphic, dominant and codominant markers can be equally valuable. As populations become more heterozygous and multi-allelic, codominant markers often become more informative of

the genotype than dominant markers. Marker molecules can be, for example, capable of detecting polymorphisms such as single nucleotide polymorphisms (SNPs).

SNPs can be characterized using any of a variety of methods (Botstein *et al.*, *Am. J. Hum. Genet.* 32:314-331 (1980); Konieczny and Ausubel, *Plant J.* 4:403-410 (1993);
 5 Myers *et al.*, *Nature* 313:495-498 (1985); Newton *et al.*, *Nucl. Acids Res.* 17:2503-2516 (1989); Wu *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 86:2757-2760 (1989); Barany, *Proc. Natl. Acad. Sci. (U.S.A.)* 88:189-193 (1991); Labrune *et al.*, *Am. J. Hum. Genet.* 48: 1115-1120 (1991); Kuppuswami *et al.*, *Proc. Natl. Acad. Sci. USA* 88:1143-1147 (1991); Sarkar *et al.*, *Genomics* 13:441-443 (1992); Nikiforov *et al.*, *Nucl. Acids Res.* 22:4167-
 10 4175 (1994); Livak *et al.*, *PCR Methods Appl.* 4:357-362 (1995); Livak *et al.*, *Nature Genet.* 9:341-342 (1995); Chen and Kwok, *Nucl. Acids Res.* 25:347-353 (1997); Tyagi *et al.*, *Nature Biotech.* 16: 49-53 (1998); Haff and Smirnov, *Genome Res.* 7: 378-388 (1997); Neff *et al.*, *Plant J.* 14:387-392 (1998)).

Additional markers, such as AFLP markers, RFLP markers and RAPD markers,
 15 can be utilized (Walton, *Seed World* 22-29 (July, 1993); Burow and Blake, *Molecular Dissection of Complex Traits*, 13-29, Paterson (ed.), CRC Press, New York (1988)). Another marker type, RAPDs, are developed from DNA amplification with random primers and result from single base changes and insertions/deletions in plant genomes. They are dominant markers with a medium level of polymorphisms and are highly
 20 abundant. AFLP markers require using the PCR on a subset of restriction fragments from extended adapter primers. These markers are both dominant and codominant are highly abundant in genomes and exhibit a medium level of polymorphism.

The genomes of animals and plants naturally undergo spontaneous mutation in the course of their continuing evolution (Gusella, *Ann. Rev. Biochem.* 55:831-854 (1986)). A
 25 "polymorphism" is a variation or difference in the sequence of the gene or its flanking regions that arises in some of the members of a species. The variant sequence and the "original" sequence co-exist in the species' population. In some instances, such co-existence is in stable or quasi-stable equilibrium.

A polymorphism is thus said to be "allelic," in that, due to the existence of the
 30 polymorphism, some members of a species may have the original sequence (*i.e.*, the

original "allele") whereas other members may have the variant sequence (*i.e.*, the variant "allele"). In the simplest case, only one variant sequence may exist and the polymorphism is thus said to be di-allelic. In other cases, the species' population may contain multiple alleles and the polymorphism is termed tri-allelic, etc. A single gene
 5 may have multiple different unrelated polymorphisms. For example, it may have a di-allelic polymorphism at one site and a multi-allelic polymorphism at another site.

The variation that defines the polymorphism may range from a single nucleotide variation to the insertion or deletion of extended regions within a gene. In some cases, the DNA sequence variations are in regions of the genome that are characterized by short
 10 tandem repeats (STRs) that include tandem di- or tri-nucleotide repeated motifs of nucleotides. Polymorphisms characterized by such tandem repeats are referred to as "variable number tandem repeat" ("VNTR") polymorphisms. VNTRs have been used in identity analysis (Weber, U.S. Patent 5,075,217; Armour *et al.*, *FEBS Lett.* 307:113-115 (1992); Jones *et al.*, *Eur. J. Haematol.* 39:144-147 (1987); Horn *et al.*, PCT Patent
 15 Application WO91/14003; Jeffreys, European Patent Application 370,719; Jeffreys, U.S. Patent 5,175,082; Jeffreys *et al.*, *Amer. J. Hum. Genet.* 39:11-24 (1986); Jeffreys *et al.*, *Nature* 316:76-79 (1985); Gray *et al.*, *Proc. R. Acad. Soc. Lond.* 243:241-253 (1991); Moore *et al.*, *Genomics* 10:654-660 (1991); Jeffreys *et al.*, *Anim. Genet.* 18:1-15 (1987); Hillel *et al.*, *Anim. Genet.* 20:145-155 (1989); Hillel *et al.*, *Genet.* 124:783-789 (1990)).

20 The detection of polymorphic sites in a sample of DNA may be facilitated through the use of nucleic acid amplification methods. Such methods specifically increase the concentration of polynucleotides that span the polymorphic site, or include that site and sequences located either distal or proximal to it. Such amplified molecules can be readily detected by gel electrophoresis or other means.

25 In an alternative embodiment, such polymorphisms can be detected through the use of a marker nucleic acid molecule that is physically linked to such polymorphism(s). For this purpose, marker nucleic acid molecules comprising a nucleotide sequence of a polynucleotide located within 1 mb of the polymorphism(s) and more preferably within 100kb of the polymorphism(s) and most preferably within 10kb of the polymorphism(s)
 30 can be employed.

The identification of a polymorphism can be determined in a variety of ways. By correlating the presence or absence of it in a plant with the presence or absence of a phenotype, it is possible to predict the phenotype of that plant. If a polymorphism creates or destroys a restriction endonuclease cleavage site, or if it results in the loss or insertion of DNA (e.g., a VNTR polymorphism), it will alter the size or profile of the DNA fragments that are generated by digestion with that restriction endonuclease. As such, individuals that possess a variant sequence can be distinguished from those having the original sequence by restriction fragment analysis. Polymorphisms that can be identified in this manner are termed "restriction fragment length polymorphisms" ("RFLPs") (Glassberg, UK Patent Application 2135774; Skolnick *et al.*, *Cytogen. Cell Genet.* 32:58-67 (1982); Botstein *et al.*, *Ann. J. Hum. Genet.* 32:314-331 (1980); Fischer *et al.*, (PCT Application WO90/13668; Uhlen, PCT Application WO90/11369).

Polymorphisms can also be identified by Single Strand Conformation Polymorphism (SSCP) analysis (Elles, *Methods in Molecular Medicine: Molecular Diagnosis of Genetic Diseases*, Humana Press (1996); Orita *et al.*, *Genomics* 5:874-879 (1989)). A number of protocols have been described for SSCP including, but not limited to, Lee *et al.*, *Anal. Biochem.* 205:289-293 (1992); Suzuki *et al.*, *Anal. Biochem.* 192:82-84 (1991); Lo *et al.*, *Nucleic Acids Research* 20:1005-1009 (1992); Sarkar *et al.*, *Genomics* 13:441-443 (1992). It is understood that one or more of the nucleic acids of the invention, may be utilized as markers or probes to detect polymorphisms by SSCP analysis or to identify genetically linked molecular markers.

Polymorphisms may also be found using a DNA fingerprinting technique called amplified fragment length polymorphism (AFLP), which is based on the selective PCR amplification of restriction fragments from a total digest of genomic DNA to profile that DNA (Vos *et al.*, *Nucleic Acids Res.* 23:4407-4414 (1995)). This method allows for the specific co-amplification of high numbers of restriction fragments, which can be visualized by PCR without knowledge of the nucleic acid sequence. It is understood that one or more of the nucleic acids of the invention, may be utilized as markers or probes to detect polymorphisms by AFLP analysis or for fingerprinting RNA.

Polymorphisms may also be found using random amplified polymorphic DNA (RAPD) (Williams *et al.*, *Nucl. Acids Res.* 18:6531-6535 (1990)) and cleaveable amplified polymorphic sequences (CAPS) (Lyamichev *et al.*, *Science* 260:778-783 (1993)). It is understood that one or more of the nucleic acid molecules of the invention, may be utilized as markers or probes to detect polymorphisms by RAPD or CAPS analysis or identifying genetically linked molecular markers.

Through genetic mapping, a fine scale linkage map can be developed using DNA markers and, then, a genomic DNA library of large-sized fragments can be screened with molecular markers linked to the desired trait. Molecular markers are advantageous for agronomic traits that are otherwise difficult to tag, such as resistance to pathogens, insects and nematodes, tolerance to abiotic stress, quality parameters and quantitative traits such as high yield potential. Here, an altered phytosterol level are preferred traits.

Essential requirements for marker-assisted selection in a plant breeding program are: (1) the marker(s) should co-segregate or be closely linked with the desired trait; (2) an efficient means of screening large populations for the molecular marker(s) should be available; and (3) the screening technique should have high reproducibility across laboratories and preferably be economical to use and be user-friendly.

The genetic linkage of marker molecules can be established by a gene mapping model such as, without limitation, the flanking marker model reported by Lander and Botstein, *Genetics* 121:185-199 (1989) and the interval mapping, based on maximum likelihood methods described by Lander and Botstein, *Genetics* 121:185-199 (1989) and implemented in the software package MAPMAKER/QTL (Lincoln and Lander, *Mapping Genes Controlling Quantitative Traits Using MAPMAKER/QTL*, Whitehead Institute for Biomedical Research, Massachusetts, (1990). Additional software includes Qgene, Version 2.23 (1996), Department of Plant Breeding and Biometry, 266 Emerson Hall, Cornell University, Ithaca, NY). Use of Qgene software is a particularly preferred approach.

A maximum likelihood estimate (MLE) for the presence of a marker is calculated, together with an MLE assuming no QTL effect, to avoid false positives. A \log_{10} of an

odds ratio (LOD) is then calculated as: $LOD = \log_{10}(\text{MLE for the presence of a QTL} / \text{MLE given no linked QTL})$.

The LOD score essentially indicates how much more likely the data are to have arisen assuming the presence of a QTL than in its absence. The LOD threshold value for avoiding a false positive with a given confidence, say 95%, depends on the number of markers and the length of the genome. Graphs indicating LOD thresholds are set forth in Lander and Botstein, *Genetics* 121:185-199 (1989) and further described by Arús and Moreno-González, *Plant Breeding*, Hayward *et al.*, (eds.) Chapman & Hall, London, pp. 314-331 (1993).

Additional models can be used. Many modifications and alternative approaches to interval mapping have been reported, including the use non-parametric methods (Kruglyak and Lander, *Genetics* 139:1421-1428 (1995)). Multiple regression methods or models can be also be used, in which the trait is regressed on a large number of markers (Jansen, *Biometrics in Plant Breeding*, van Oijen and Jansen (eds.), Proceedings of the Ninth Meeting of the Eucarpia Section Biometrics in Plant Breeding, The Netherlands, pp. 116-124 (1994); Weber and Wricke, *Advances in Plant Breeding*, Blackwell, Berlin, 16 (1994)). Procedures combining interval mapping with regression analysis, whereby the phenotype is regressed onto a single putative QTL at a given marker interval and at the same time onto a number of markers that serve as 'cofactors,' have been reported by Jansen and Stam, *Genetics* 136:1447-1455 (1994), and Zeng, *Genetics* 136:1457-1468 (1994). Generally, the use of cofactors reduces the bias and sampling error of the estimated QTL positions (Utz and Melchinger, *Biometrics in Plant Breeding*, van Oijen and Jansen (eds.) Proceedings of the Ninth Meeting of the Eucarpia Section Biometrics in Plant Breeding, The Netherlands, pp.195-204 (1994), thereby improving the precision and efficiency of QTL mapping (Zeng, *Genetics* 136:1457-1468 (1994)). These models can be extended to multi-environment experiments to analyze genotype-environment interactions (Jansen *et al.*, *Theo. Appl. Genet.* 91:33-37 (1995)).

It is understood that one or more of the nucleic acid molecules of the invention may be used as molecular markers. It is also understood that one or more of the protein molecules of the invention may be used as molecular markers.

In accordance with this aspect of the invention, a sample nucleic acid is obtained from plant cells or tissues. Any source of nucleic acid may be used. Preferably, the nucleic acid is genomic DNA. The nucleic acid is subjected to restriction endonuclease digestion. For example, one or more nucleic acid molecule or fragment thereof of the invention can be used as a probe in accordance with the above-described polymorphic methods. The polymorphism obtained in this approach can then be cloned to identify the mutation at the coding region, which alters structure, or regulatory region of the gene, which affects its expression level.

In an aspect of the present invention, one or more of the nucleic molecules of the present invention are used to determine the level (*i.e.*, the concentration of mRNA in a sample, *etc.*) in a plant (preferably maize, soybean, rice or *Arabidopsis*) or pattern (*i.e.*, the kinetics of expression, rate of decomposition, stability profile, *etc.*) of the expression of a protein encoded in part or whole by one or more of the nucleic acid molecule of the present invention (collectively, the "Expression Response" of a cell or tissue).

As used herein, the Expression Response manifested by a cell or tissue is said to be "altered" if it differs from the Expression Response of cells or tissues of plants not exhibiting the phenotype. To determine whether a Expression Response is altered, the Expression Response manifested by the cell or tissue of the plant exhibiting the phenotype is compared with that of a similar cell or tissue sample of a plant not exhibiting the phenotype. As will be appreciated, it is not necessary to re-determine the Expression Response of the cell or tissue sample of plants not exhibiting the phenotype each time such a comparison is made; rather, the Expression Response of a particular plant may be compared with previously obtained values of normal plants. As used herein, the phenotype of the organism is any of one or more characteristics of an organism (*e.g.* disease resistance, pest tolerance, environmental tolerance such as tolerance to abiotic stress, male sterility, quality improvement or yield *etc.*). A change in genotype or phenotype may be transient or permanent. Also as used herein, a tissue sample is any sample that comprises more than one cell. In a preferred aspect, a tissue sample comprises cells that share a common characteristic (*e.g.* derived from root, seed, flower, leaf, stem or pollen *etc.*).

In one aspect of the present invention, an evaluation can be conducted to determine whether a particular mRNA molecule is present. One or more of the nucleic acid molecules of the present invention are utilized to detect the presence or quantity of the mRNA species. Such molecules are then incubated with cell or tissue extracts of a plant under conditions sufficient to permit nucleic acid hybridization. The detection of double-stranded probe-mRNA hybrid molecules is indicative of the presence of the mRNA; the amount of such hybrid formed is proportional to the amount of mRNA. Thus, such probes may be used to ascertain the level and extent of the mRNA production in a plant's cells or tissues. Such nucleic acid hybridization may be conducted under quantitative conditions (thereby providing a numerical value of the amount of the mRNA present). Alternatively, the assay may be conducted as a qualitative assay that indicates either that the mRNA is present, or that its level exceeds a user set, predefined value.

A number of methods can be used to compare the expression response between two or more samples of cells or tissue. These methods include hybridization assays, such as Northern, RNase protection assays, and *in situ* hybridization. Alternatively, the methods include PCR-type assays. In a preferred method, the expression response is compared by hybridizing nucleic acids from the two or more samples to an array of nucleic acids. The array contains a plurality of suspected sequences known or suspected of being present in the cells or tissue of the samples.

An advantage of *in situ* hybridization over more conventional techniques for the detection of nucleic acids is that it allows an investigator to determine the precise spatial population (Angerer *et al.*, *Dev. Biol.* 101:477-484 (1984); Angerer *et al.*, *Dev. Biol.* 112:157-166 (1985); Dixon *et al.*, *EMBO J.* 10:1317-1324 (1991)). *In situ* hybridization may be used to measure the steady-state level of RNA accumulation (Hardin *et al.*, *J. Mol. Biol.* 202:417-431 (1989)). A number of protocols have been devised for *in situ* hybridization, each with tissue preparation, hybridization and washing conditions (Meyerowitz, *Plant Mol. Biol. Rep.* 5:242-250 (1987); Cox and Goldberg, In: *Plant Molecular Biology: A Practical Approach*, Shaw (ed.), pp. 1-35, IRL Press, Oxford (1988); Raikhel *et al.*, *In situ RNA hybridization in plant tissues*, In: *Plant Molecular Biology Manual*, vol. B9:1-32, Kluwer Academic Publisher, Dordrecht, Belgium (1989)).

In situ hybridization also allows for the localization of proteins within a tissue or cell (Wilkinson, *In Situ Hybridization*, Oxford University Press, Oxford (1992); Langdale, *In Situ Hybridization In: The Maize Handbook*, Freeling and Walbot (eds.), pp. 165-179, Springer-Verlag, New York (1994)). It is understood that one or more of the
 5 molecules of the invention, preferably one or more of the nucleic acid molecules or fragments thereof of the invention or one or more of the antibodies of the invention may be utilized to detect the level or pattern of a protein or mRNA thereof by *in situ* hybridization.

Fluorescent *in situ* hybridization allows the localization of a particular DNA
 10 sequence along a chromosome which is useful, among other uses, for gene mapping, following chromosomes in hybrid lines or detecting chromosomes with translocations, transversions or deletions. *In situ* hybridization has been used to identify chromosomes in several plant species (Griffor *et al.*, *Plant Mol. Biol.* 17:101-109 (1991); Gustafson *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 87:1899-1902 (1990); Mukai and Gill, *Genome*
 15 34:448-452 (1991); Schwarzacher and Heslop-Harrison, *Genome* 34:317-323 (1991); Wang *et al.*, *Jpn. J. Genet.* 66:313-316 (1991); Parra and Windle, *Nature Genetics* 5:17-21 (1993)). It is understood that the nucleic acid molecules of the invention may be used as probes or markers to localize sequences along a chromosome.

Another method to localize the expression of a molecule is tissue printing. Tissue
 20 printing provides a way to screen, at the same time on the same membrane many tissue sections from different plants or different developmental stages (Yomo and Taylor, *Planta* 112:35-43 (1973); Harris and Chrispeels, *Plant Physiol.* 56:292-299 (1975); Cassab and Varner, *J. Cell. Biol.* 105:2581-2588 (1987); Spruce *et al.*, *Phytochemistry* 26:2901-2903 (1987); Barres *et al.*, *Neuron* 5:527-544 (1990); Reid and Pont-Lezica,
 25 *Tissue Printing: Tools for the Study of Anatomy, Histochemistry and Gene Expression*, Academic Press, New York, New York (1992); Reid *et al.*, *Plant Physiol.* 93:160-165 (1990); Ye *et al.*, *Plant J.* 1:175-183 (1991)).

It is understood that one or more of the molecules of the invention, preferably one or more of the nucleic acid molecules of the present invention or one or more of the

antibodies of the invention may be utilized to detect the presence or quantity of a protein or fragment of the invention by tissue printing.

Further it is also understood that any of the nucleic acid molecules of the invention may be used as marker nucleic acids and or probes in connection with methods that require probes or marker nucleic acids. As used herein, a probe is an agent that is
 5 utilized to determine an attribute or feature (*e.g.* presence or absence, location, correlation, etc.) of a molecule, cell, tissue or plant. As used herein, a marker nucleic acid is a nucleic acid molecule that is utilized to determine an attribute or feature (*e.g.*, presence or absence, location, correlation, etc.) or a molecule, cell, tissue or plant.

10 This invention provides arrays of polynucleotide or peptide target molecules arranged on a surface of a substrate. The target molecules are preferably known molecules, *e.g.* polynucleotides (including oligonucleotides) or peptides, which are capable of hybridizing to complementary probes. The target molecules are preferably immobilized, *e.g.* by covalent or non-covalent bonding, to the surface in small amounts of
 15 substantially purified and isolated molecules in a grid pattern. By immobilized is meant that the target molecules maintain their position relative to the solid support under hybridization and washing conditions. Target molecules are deposited in small footprint, isolated quantities of "spotted elements" of preferably single-stranded polynucleotide preferably arranged in rectangular grids in a density of about 30 to 1000 or more spotted
 20 elements per square centimeter. The economics of arrays favors a high density design criteria providing microarrays for detection of transcription events for a large number of genes provided that the target molecules are sufficiently separated so that the intensity of the indicia of a binding event associated with highly expressed probe molecules does not overwhelm and mask the indicia of neighboring binding events. For high density
 25 microarrays each spotted element may contain up to about 50 or more copies of the target molecule, *e.g.* as few as about 4 to 10 strands of single-stranded cDNA on glass substrates or more cDNA on nylon substrates. Probe molecules are typically unknown molecules, often a mixture of unknown molecules, which are labeled, *e.g.* with a fluorescent, radioactive or enzymatic label. Preferably each copy of a probe molecule
 30 contains a label so that a measurement of label intensity is proportional to detected probe

concentration. Mixtures of probes from different sources can be differentially labeled, *e.g.* with different colored dyes or with different types of labels. For many applications a preferred label is a radioactive isotope nucleotide, *e.g.* a nucleotide such as dUTP, dCTP, dGTP or dATP with an isotope such as ^{32}P . An array “substrate” is typically a solid

5 material for supporting target molecules; substrates can be flexible such as nylon membranes or rigid such as glass sheet or silicon wafer; nylon membranes are common, porous supports for microarrays.

Arrays of this invention can be prepared for use with classes or organisms, *e.g.* animals, plants or microorganisms. The arrays can be prepared from target molecules

10 from a single species or multiple species. Exemplary single species arrays include animals such as human, mouse and *Drosophila*, plants such as maize, soybean, rice and *Arabidopsis thaliana*, microorganisms such as *Aspergillus nidulans*, *E. coli*, *Agrobacterium tumefaciens* and viruses. Useful arrays can also comprise target molecules from multiple species. Arrays with target molecules from single species can

15 be used with probe molecules from the same species or a different species or a mixture or species, *e.g.* due to the ability of cross species homologous genes to hybridize. It is generally preferred for high stringency hybridization that the target and probe molecules be from the same species or even from a common tissue in an organism under study. However, because of homology, cross-species hybridization can be effective. In

20 preferred aspects of this invention the organism of interest is a plant and the target molecules are selected from the nucleic acid molecules having at least 60 percent sequence identity to sequences in the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof. In other preferred aspects of the invention

25 at least 10% of the target molecules on an array have at least 20 consecutive nucleotides of sequence which is at least 60%, more preferably up to 100%, identical with a sequence of the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or complements thereof.

Although the shape of the substrates can vary, it is common for the array to be disposed in a rectangular area on a planar surface of the substrate to facilitate registration of target molecules in an addressable array. Generally, the overall dimensions of an array are in the range of 1 to 40 cm. Target molecules can be immobilized on an array substrate by covalent or non-covalent binding. Examples of non-covalent binding include non-specific adsorption, non-specific binding through a specific binding pair member covalently attached to the support surface, and entrapment in a matrix material, *e.g.* a hydrated or dried separation medium, which presents the target in a manner sufficient for binding, *e.g.* hybridization, to occur. Examples of covalent binding include covalent bonds formed between the target and a functional group present on the surface of the solid support, *e.g.* -OH, where the functional group may be naturally occurring or present as a member of an introduced linking group.

Spotted elements can be placed on arrays by depositing target molecules in a grid pattern onto a substrate or fabricating oligonucleotide or peptide sequences *in situ* on a substrate. Array design and fabrication methods are well known in the art and disclosed for instance in U.S. Patents 4,923,901; 5,079,600; 5,143,854; 5,202,231; 5,242,974; 5,384,261; 5,405,783; 5,412,087; 5,424,186; 5,429,807; 5,436,327; 5,445,934; 5,472,672; 5,525,464; 5,527,681; 5,529,756; 5,532,128; 5,545,531; 5,554,501; 5,556,752; 5,561,071; 5,571,639; 5,593,839; 5,599,695; 5,624,711; 5,658,734; 5,700,637; 5,744,305; 5,800,992; 6,004,755 and 6,087,102.

Protocols for isolating nucleic acids, proteins and their fractions from cells, tissues, organs and whole organisms are described in: Maniatis *et al.*, *Molecular Cloning: A Laboratory Manual* (Cold Spring Harbor Press)(1989); Scope R., *Protein Purification. Principle and Practice* (Springer-Verlag)(1994); and Deutscher, *Guide to Protein Purification* (Academic Press)(1990)). Such methods typically involve subsection of the original biological source to one or more of tissue/cell homogenization, nucleic acid/protein extraction, chromatography, centrifugation, affinity binding and the like.

The subject arrays or devices into which they are incorporated may conveniently be stored following fabrication for use at a later time. Under appropriate conditions, the subject arrays are capable of being stored for at least about 6 months and may be stored

for up to one year or longer. The subject arrays are generally stored at temperatures between about -20°C . to room temperature, where the arrays are preferably sealed in a plastic container, *e.g.* bag, and shielded from light.

Such arrays are useful in a variety of applications, including gene discovery, genomic research and bioactive compound screening. One important use of arrays is in the analysis of differential gene expression, *e.g.* transcription profiling where the expression of genes in different cells, normally a cell of interest and a control, is compared and any discrepancies in expression are identified. In such assays, the presence of discrepancies indicates a difference in genes expressed in the cells being compared. Such information is useful for the identification of the types of genes expressed in a particular cell or tissue type in a known environment. Such gene expression analysis applications including differential expression analysis of diseased and normal tissue; different tissues or subtypes; tissues and cells under different condition states, like predisposition to disease, age, exposure to pathogens or toxic agents, etc.; and the like. Such applications generally involve the following steps: (a) preparation of probe, *e.g.* attaching a label to a plurality of expressed molecules; (b) contact of probe with the array under conditions sufficient for probe to bind with corresponding target, *e.g.* by hybridization or specific binding; (c) removal of unbound probe from the array; and (d) detection of bound probe. Each of these steps will be described in greater detail below.

Probe preparation depends on the specific nature of the probe, *e.g.* whether the probe is a polynucleotide or peptide. Polynucleotide probes may be RNA or DNA, as well as hybridizing analogues or mimetics thereof, *e.g.* nucleic acids in which the phosphodiester linkage has been replaced with a substitute linkage, such as a phosphorothioate, methylimino, methylphosphonate, phosphoramidite, guanidine and the like; and nucleic acids in which the ribose subunit has been substituted, *e.g.* hexose phosphodiester, peptide nucleic acids; and the like. The probe will have sufficient complementarity to its target to provide for the desired level of sequence specific hybridization. Polynucleotide probes can range from about 10 to 2000 nucleotides where short probes in the range of about 15 to 100 nucleotides are commonly called

oligonucleotide probes. Although polynucleotide probes may be double stranded, single stranded probes are preferred.

Peptide probes that find use in the subject invention include: antibodies, *e.g.* polyclonal, monoclonal, and binding fragments thereof; peptides with high affinity to the target, as well as analogues and mimetics thereof; ligands, receptors, and the like.

Generally, the probe molecule will be labeled to provide for detection in the detection step. By labeled is meant that the probe comprises a member of a signal producing system and is thus detectable, either directly or through combined action with one or more additional members of a signal producing system. Examples of directly detectable labels include isotopic and fluorescent materials incorporated into or covalently bonded to the probe molecule. More particularly the label can comprise a nucleotide monomeric unit, *e.g.* dNTP of a primer, or a photoactive or chemically active derivative of a detectable label which can be bound to a functional part of the probe molecule. Isotopic label elements include ^{32}P , ^{33}P , ^{35}S , ^{125}I , and the like. Fluorescent label elements include coumarin and its derivatives, *e.g.* 7-amino-4-methylcoumarin, aminocoumarin, bodipy dyes, such as Bodipy FL, cascade blue, fluorescein and its derivatives, *e.g.* fluorescein isothiocyanate, Oregon green, rhodamine dyes, *e.g.* Texas red, tetramethylrhodamine, eosins and erythrosins, cyanine dyes, *e.g.* Cy3 and Cy5, macrocyclic chelates of lanthanide ions, fluorescent energy transfer dyes, such as thiazole orange-ethidium heterodimer, TOTAB, etc. Labels may also be members of a signal producing system that act in concert with one or more additional members of the same system to provide a detectable signal. Illustrative of such labels are members of a specific binding pair, such as ligands, *e.g.* biotin, fluorescein, digoxigenin, antigen, polyvalent cations, chelator groups and the like, where the members specifically bind to additional members of the signal producing system, where the additional members provide a detectable signal either directly or indirectly, *e.g.* antibody conjugated to a fluorescent moiety or an enzymatic moiety capable of converting a substrate to a chromogenic product, *e.g.* alkaline phosphatase conjugate antibody; and the like. Additional labels of interest include those that provide for signal only when the probe with which they are associated is specifically bound to a target molecule, where such

labels include: "molecular beacons" as described in Tyagi & Kramer, Nature Biotechnology (1996) 14:303 and EP 0 070 685 B1. Other labels of interest include those described in U.S. Pat. No. 5,563,037; WO 97/17471 and WO 97/17076. A preferred label for polynucleotide probes is ^{32}P which is incorporated into copies of RNA via a radiolabeled dNTP, *e.g.* ^{32}P -dUTP.

Arrays of this invention preferably comprise at least 30 different and separated target nucleic acid molecules immobilized on a solid support in a manner that complementary probe nucleic acid molecules can be hybridized thereto, wherein said target nucleic acid molecules have at least 20 consecutive nucleotides in a sequence selected from the group consisting of:

- (a) SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478;
- (b) sequences which are complements of (a);
- (c) sequences which have at least 60% identity to a sequence of (a) or (b);
- (d) sequences of molecules of which hybridize to a sequence of (a) or (b) or (c);

Such arrays are useful in methods of this invention for determining a level or pattern of gene transcription in a plant cell or plant tissue under evaluation. Such methods comprise assaying the concentration of an mRNA molecule, whose concentration is dependent upon the transcription of said gene, by hybridizing the mRNA molecule to a second nucleic acid molecule according to this invention, *e.g.* molecules having a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 and complements thereof. In a preferred method differences in rice, wheat, *Arabidopsis* or soy plant gene expression in at least two different plant tissues are analyzed by (a) obtaining a sample of ribonucleic acid molecules from each of the plant tissues; (b) generating from each sample of ribonucleic acid molecules a population of labeled nucleic acid molecules; (c) contacting each of populations of labeled nucleic acid molecules with a separate array of this invention; and (d) comparing the hybridization patterns thereof.

In such methods the array is contacted with probe molecules under conditions sufficient for binding between the probe and the target of the array. For example, where the probe and target are nucleic acids, the probe will be contacted with the array under conditions sufficient for hybridization to occur between the probe and target, where the hybridization conditions will be selected in order to provide for the desired level of hybridization specificity. For peptide probes, conditions will be selected to provide for specific binding between the probe and its target.

Contact of the array and probe involves contacting the array with an aqueous medium comprising the probe. Contact may be achieved in a variety of different ways depending on specific configuration of the array. For example, contact may be accomplished by simply placing the array in a container comprising the probe solution, such as a vial, plastic bag and the like. In other embodiments where the array is entrapped in a separation media bounded by two rigid plates, the opportunity exists to deliver the probe via electrophoretic means. Alternatively, where the array is incorporated into a biochip device having fluid entry and exit ports, the probe solution can be introduced into the chamber in which the pattern of target molecules is presented through the entry port, where fluid introduction could be performed manually or with an automated device. In multiwell embodiments, the probe solution will be introduced in the reaction chamber comprising the array, either manually, *e.g.* with a pipette, or with an automated fluid handling device. For flexible nylon substrate microarrays it is convenient to roll the nylon substrate into a roll for insertion into a vial where a small volume of probe solution can efficiently contact target through shaking.

Contact of the probe solution and the targets will be maintained for a sufficient period of time for binding between the probe and the target to occur. Although dependent on the nature of the probe and target, contact will generally be maintained for a period of time ranging from about 10 min to 24 hrs, usually from about 30 min to 12 hrs and more usually from about 1 hr to 6 hrs.

Following binding of probe and target, the resultant hybridization patterns of labeled probe may be visualized or detected in a variety of ways, with the particular manner of detection being chosen based on the particular label of the nucleic acid, where

representative detection means include scintillation counting, autoradiography, fluorescence measurement, calorimetric measurement, light emission measurement and the like. The method may or may not further comprise a non-bound label removal step prior to the detection step, depending on the particular label employed on the probe. For example, in homogenous assay formats a detectable signal is only generated upon specific binding of probe to target. As such, in homogenous assay formats, the hybridization pattern may be detected without a non-bound label removal step. In other embodiments, the label employed will generate a signal whether or not the probe is specifically bound to its target. In such embodiments, the non-bound labeled probe is removed from the support surface. One means of removing the non-bound labeled probe is to perform the well known technique of washing, where a variety of wash solutions and protocols for their use in removing non-bound label are known to those of skill in the art and may be used. Alternatively, in those situations where the targets are entrapped in a separation medium in a format suitable for application of an electric field to the medium, the opportunity arises to remove non-bound labeled probe from the target by electrophoretic means. With radioactive labeled probes it is important to remove the unbound probe. The hybridization binding events can be read by exposure of a radioactive-labeled hybridized array to photographic film or preferably a digitizer for simultaneously reading and storing the intensity of the hybridization events.

The target expression level in the particular tissue being analyzed can be derived from the intensity of the detected signal. To ensure that an accurate level of expression is derived, it is useful to provide the array with standard spotted elements of blanks and fixed quantity of label to calibrate the detected probe signals.

Any of the nucleic acid molecules of the invention may either be modified by site directed mutagenesis or used as, for example, nucleic acid molecules that are used to target other nucleic acid molecules for modification.

It is understood that mutants with more than one altered nucleotide can be constructed using techniques that practitioners are familiar with, such as isolating restriction fragments and ligating such fragments into an expression vector (*see*, for

example, Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, Cold Spring Harbor Press (1989)).

Two steps may be employed to characterize DNA-protein interactions. The first is to identify sequence fragments that interact with DNA-binding proteins, to titrate binding activity, to determine the specificity of binding and to determine whether a given DNA-binding activity can interact with related DNA sequences (Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York (1989)). Electrophoretic mobility-shift assay is a widely used assay. The assay provides a rapid and sensitive method for detecting DNA-binding proteins based on the observation that the mobility of a DNA fragment through a nondenaturing, low-ionic strength polyacrylamide gel is retarded upon association with a DNA-binding protein (Fried and Crother, *Nucleic Acids Res.* 9:6505-6525 (1981)). When one or more specific binding activities have been identified, the exact sequence of the DNA bound by the protein may be determined.

Several procedures for characterizing protein/DNA-binding sites are used (Maxam and Gilbert, *Methods Enzymol.* 65:499-560 (1980); Wissman and Hillen, *Methods Enzymol.* 208:365-379 (1991); Galas and Schmitz, *Nucleic Acids Res.* 5:3157-3170 (1978); Sigman *et al.*, *Methods Enzymol.* 208:414-433 (1991); Dixon *et al.*, *Methods Enzymol.* 208:414-433 (1991)). It is understood that one or more of the nucleic acid molecules of the invention may be utilized to identify a protein or fragment thereof that specifically binds to a nucleic acid molecule of the invention. It is also understood that one or more of the protein molecules or fragments thereof of the invention may be utilized to identify a nucleic acid molecule that specifically binds to it.

A two-hybrid system is based on the fact that proteins, such as transcription factors that interact (physically) with one another carry out many cellular functions. Two-hybrid systems have been used to probe the function of new proteins (Chien *et al.*, *Proc. Natl. Acad. Sci. (U.S.A.)* 88:9578-9582 (1991); Durfee *et al.*, *Genes Dev.* 7:555-569 (1993); Choi *et al.*, *Cell* 78:499-512 (1994); Kranz *et al.*, *Genes Dev.* 8:313-327 (1994)).

Interaction mating techniques have facilitated a number of two-hybrid studies of protein-protein interaction. Interaction mating has been used to examine interactions

between small sets of tens of proteins (Finley and Brent, *Proc. Natl. Acad. Sci. (U.S.A.)* 91:12098-12984 (1994)), larger sets of hundreds of proteins (Bendixen *et al.*, *Nucl. Acids Res.* 22:1778-1779 (1994)) and to comprehensively map proteins encoded by a small genome (Bartel *et al.*, *Nature Genetics* 12:72-77 (1996)). This technique utilizes proteins fused to the DNA-binding domain and proteins fused to the activation domain. They are expressed in two different haploid yeast strains of opposite mating type and the strains are mated to determine if the two proteins interact. Mating occurs when haploid yeast strains come into contact and result in the fusion of the two haploids into a diploid yeast strain. An interaction can be determined by the activation of a two-hybrid reporter gene in the diploid strain.

It is understood that the protein-protein interactions of protein or fragments thereof of the invention may be investigated using the two-hybrid system and that any of the nucleic acid molecules of the invention that encode such proteins or fragments thereof may be used to transform yeast in the two-hybrid system.

(e) Computer Readable Media

The nucleotide sequence provided in SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 13478 or fragment thereof, or complement thereof, or a nucleotide sequence at least 70% identical, preferably 90% identical even more preferably 99% or about 100% identical to one or more of the nucleic acid sequences provided in SEQ ID NO: 1287 through SEQ ID NO:3291, SEQ ID NO: 5479 through SEQ ID NO: 8350, SEQ ID NO: 9242 through SEQ ID NO: 10474 SEQ ID 13478 or complement thereof or fragments of either or amino acid sequences provided in SEQ ID NO: 1 through SEQ ID NO 1286, SEQ ID NO: 3292 through SEQ ID NO: 5478, SEQ ID NO: 8351 through SEQ ID NO: 9241 and SEQ ID NO: 13479 through SEQ ID NO: 24143 or homologues thereof, can be "provided" in a variety of mediums to facilitate use.

In one application, a nucleotide or amino acid sequence of the invention can be recorded on computer readable media so that a computer-readable medium comprises one or more of the nucleotide or amino acid sequences of the invention. As used herein, "computer readable media" refers to any medium that can be read and accessed directly

by a computer. Such media include, but are not limited to: magnetic storage media, such as floppy discs, hard disc, storage medium and magnetic tape; optical storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media.

5 Any number of the sequences, or sequence fragments, of the nucleic acid molecules or proteins of the invention, or fragments of either, can be included, in any number of combinations, on a computer-readable medium.

The present invention further provides systems, particularly computer-based systems, which contain the sequence information described herein. Such systems are
10 designed to identify commercially important fragments of the nucleic acid molecules or amino acid molecules of the present invention. As used herein, "a computer-based system" refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware means of the computer-based systems of the present invention comprises a
15 central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based system are suitable for use in the present invention.

As indicated above, the computer-based systems of the present invention
comprise a data storage means having stored therein a nucleotide or amino acid sequence
20 of the present invention and the necessary hardware means and software means for supporting and implementing a search means. As used herein, "data storage means" refers to memory that can store nucleotide or amino acid sequence information of the present invention, or a memory access means which can access manufactures having recorded thereon the nucleotide or amino acid sequence information of the present
25 invention. As used herein, "search means" refers to one or more programs which are implemented on the computer-based system to compare a target sequence or target structural motif with the sequence information stored within the data storage means. Search means are used to identify fragments or regions of the sequence of the present invention that match a particular target sequence or target motif. A variety of known
30 algorithms are disclosed publicly and a variety of commercially available software for

conducting search means are available can be used in the computer-based systems of the present invention. Examples of such software include, but are not limited to, MacPattern (EMBL), BLASTN and BLASTX (NCBI). One of the available algorithms or implementing software packages for conducting homology searches can be adapted for use in the present computer-based systems.

The most preferred sequence length of a target sequence is from about 30 to 300 nucleotide residues or from about 10 to 100 of the corresponding amino acids. However, it is well recognized that during searches for commercially important fragments of the nucleic acid or amino acid molecules of the present invention may be of shorter length.

As used herein, "a target structural motif," or "target motif," refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration which is formed upon the folding of the target motif. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzymatic active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, promoter sequences, *cis* elements, hairpin structures and inducible expression elements (protein binding sequences).

Thus, the present invention further provides an input means for receiving a target sequence, a data storage means for storing the target sequences of the present invention sequence identified using a search means as described above, and an output means for outputting the identified homologous sequences. A variety of structural formats for the input and output means can be used to input and output information in the computer-based systems of the present invention. A preferred format for an output means ranks fragments of the sequence of the present invention by varying degrees of homology to the target sequence or target motif. Such presentation provides a skilled artisan with a ranking of sequences which contain various amounts of the target sequence or target motif and identifies the degree of homology contained in the identified fragment.

Computer media of the nucleic acid or amino acid sequences of this invention can comprise as few as 1000 distinct nucleic acid or amino acid sequences including complements and homologs, preferably at least 2,000 or 3,000, more preferably at least

5,000 or 10,000 or more, *e.g.* 15,000 or 20,000 and in certain embodiments as much as 30,00 or 40,000 distinct nucleic acid or amino acid sequences.

Having now described the invention, the following examples are provided by way of illustration and are not intended to limit the scope of the invention, unless specified.

Example 1

This example illustrates the construction of the rice genomic library. BACs are stable, non-chimeric cloning systems having genomic fragment inserts (100-300 kb) and their DNA can be prepared for most types of experiments including DNA sequencing. BAC vector, pBeloBAC11, is derived from the endogenous *E. coli* F-factor plasmid, which contains genes for strict copy number control and unidirectional origin of DNA replication. Additionally, pBeloBAC11 has three unique restriction enzyme sites (*Hind* III, *Bam* HI and *Sph* I) located within the *LacZ* gene which can be used as cloning sites for megabase-size plant DNA. Indigo, another BAC vector contains *Hind* III and *Eco* RI cloning sites. This vector also contains a random mutation in the *LacZ* gene that allows for darker blue colonies.

As an alternative, the P1-derived artificial chromosome (PAC) can be used as a large DNA fragment cloning vector (Ioannou *et al.*, *Nature Genet.* 6:84-89 (1994); Suzuki *et al.*, *Gene* 199:133-137 (1997). The PAC vector has most of the features of the BAC system, but also contains some of the elements of the bacteriophage P1 cloning system.

BAC libraries are generated by ligating size-selected restriction digested DNA with pBeloBAC11 followed by electroporation into *E. coli*. BAC library construction and characterization is extremely efficient when compared to YAC (yeast artificial chromosome) library construction and analysis, particularly because of the chimerism associated with YACs and difficulties associated with extracting YAC DNA.

There are general methods for preparing megabase-size DNA from plants. For example, the protoplast method yields megabase-size DNA of high quality with minimal breakage. The process involves preparing young leaves which are manually feathered with a razor-blade before being incubated for four to five hours with cell-wall-degrading enzymes. The second method developed by Zhange *et al.*, *Plant J.* 7:175-184 (1995), is a universal nuclei method that works well for several divergent plant taxa. Fresh or

frozen tissue is homogenized with a blender or mortar and pestle. Nuclei are then isolated and embedded. DNA prepared by the nucleic method is often more concentrated and is reported to contain lower amounts of chloroplast DNA than the protoplast method.

Once protoplasts or nuclei are produced, they are embedded in an agarose matrix as plugs or microbeads. The agarose provides a support matrix to prevent shearing of the DNA while allowing enzymes and buffers to diffuse into the DNA. The DNA is purified and manipulated in the agarose and is stable for more than one year at 4°C.

Once high molecular weight DNA has been prepared, it is fragmented to the desired size range. In general, DNA fragmentation utilizes two general approaches, 1) physical shearing and 2) partial digestion with a restriction enzyme that cuts relatively frequently within the genome. Since physical shearing is not dependent upon the frequency and distribution of particular restriction enzymes sites, this method should yield the most random distribution of DNA fragments. However, the ends of the sheared DNA fragments must be repaired and cloned directly or restriction enzyme sites added by the addition of synthetic linkers. Because of the subsequent steps required to clone DNA fragmented by shearing, most protocols fragment DNA by partial restriction enzyme digestion. The advantage of partial restriction enzyme digestion is that no further enzymatic modification of the ends of the restriction fragments are necessary. Four common techniques that can be used to achieve reproducible partial digestion of megabase-size DNA are 1) varying the concentration of the restriction enzyme, 2) varying the time of incubation with the restriction enzyme 3) varying the concentration of an enzyme cofactor (*e.g.*, Mg^{2+}) and 4) varying the ratio of endonuclease to methylase.

There are three cloning sites in pBeloBAC11, but only *Hind* III and *Bam* HI produce 5' overhangs for easy vector dephosphorylation. These two restriction enzymes are primarily used to construct BAC libraries. The optimal partial digestion conditions for megabase-size DNA are determined by wide and narrow window digestions. To optimize the optimum amount of *Hind* III, 1, 2, 3, 10, and 5- units of enzyme are each added to 50 ml aliquots of microbeads and incubated at 37 °C for 20 minutes.

After partial digestion of megabase-size DNA, the DNA is run on a pulsed-field gel, and DNA in a size range of 100-500 kb is excised from the gel. This DNA is ligated

to the BAC vector or subjected to a second size selection on a pulsed field gel under different running conditions. Studies have previously reported that two rounds of size selection can eliminate small DNA fragments co-migrating with the selected range in the first pulse-field fractionation. Such a strategy results in an increase in insert sizes and a more uniform insert size distribution. A practical approach to performing size selections is to first test for the number of clones/microliter of ligation and insert size from the first size selected material. If the numbers are good (500 to 2000 white colony/microliter of ligation) and the size range is also good (50 to 300 kb) then a second size selection is practical. When performing a second size selection one expects a 80 to 95% decrease in the number of recombinant clones per transformation.

Twenty to two hundred nanograms of the size-selected DNA is ligated to dephosphorylated BAC vector (molar ratio of 10 to 1 in BAC vector excess). Most BAC libraries use a molar ratio of 5 to 15 : 1 (size selected DNA:BAC vector).

Transformation is carried out by electroporation and the transformation efficiency for BACs is about 40 to 1,500 transformants from one microliter of ligation product or 20 to 1000 transformants/ng DNA.

Several tests can be carried out to determine the quality of a BAC library. Three basic tests to evaluate the quality include: the genome coverage of a BAC library-average insert size, average number of clones hybridizing with single copy probes and chloroplast DNA content.

The determination of the average insert size of the library is assessed in two ways. First, during library construction every ligation is tested to determine the average insert size by assaying 20-50 BAC clones per ligation. DNA is isolated from recombinant clones using a standard mini preparation protocol, digested with *Not* I to free the insert from the BAC vector and then sized using pulsed field gel electrophoresis (Maule, *Molecular Biotechnology* 9:107-126 (1998)).

To determine the genome coverage of the library, it is screened with single copy RFLP markers distributed randomly across the genome by hybridization. Microtiter plates containing BAC clones are spotted onto Hybond membranes. Bacteria from 48 or 72 plates are spotted twice onto one membrane resulting in 18,000 to 27,648 unique

clones on each membrane in either a 4X4 or 5X5 orientation. Since each clone is present twice, false positives are easily eliminated and true positives are easily recognized and identified.

Finally, the chloroplast DNA content in the BAC library is estimated by hybridizing three chloroplast genes spaced evenly across the chloroplast genome to the library on high density hybridization filters.

There are strategies for isolating rare sequences within the genome. For example, higher plant genomes can range in size from 100 Mb/1C (*Arabidopsis*) to 15,966 Mb/C (*Triticum aestivum*), (Arumuganathan and Earle, *Plant Mol Bio Rep*.9:208-219 (1991)).

The number of clones required to achieve a given probability that any DNA sequence will be represented in a genomic library is $N = (\ln(1-P))/(\ln(1-L/G))$ where N is the number of clones required, P is the probability desired to get the target sequence, L is the length of the average clone insert in base pairs and G is the haploid genome length in base pairs (Clarke *et al.*, *Cell* 9:91-100 (1976)).

The rice BAC library of the present invention is constructed in the pBeloBAC11 or similar vector. Inserts are generated by partial *Eco* RI or other enzymatic digestion of DNA.

Example 2

This example illustrates the construction of the *Arabidopsis thaliana* genomic library. DNA from *Arabidopsis thaliana*, *Landsberg erecta* seedlings is prepared by a CTAB genomic DNA isolation protocol as described by Dean *et al.* *Plant J* 2:69-81(1992) and modified by Dubois *et al.* *Plant J.* 13:141-151 (1998).

A solution of DNA to be sheared is prepared in a 1.5 ml microcentrifuge tube by mixing 15 ug of DNA, 6 µl of 10X mung bean (MB) buffer (10X MB buffer = 300mM NaOAc, pH 5.0, 500 mM NaCl, 10 mM ZnCl₂, 50% glycerol), and water to a final volume of 60 µl. The DNA solution is kept on ice prior to sonication. For sonication, a cup horn probe chilled with ice water for 1 hour prior to sonication is used. The sonicator (Ultrasonic Liquid Processor XL2020, Misonix Inc.) is pulsed for approximately 10 seconds on full power prior to use. DNA samples are sonicated twice for 6 seconds each at 60% power. Four sample tubes may be processed at once in a multi-tube rack which is

positioned 1 to 3 mm above the opening in the probe. The DNA is returned to ice and a 1 μ l sample is analyzed by electrophoresis on a 0.8% agarose gel in 0.5X TBE gel, run at 60 volts for 30 minutes. Sonication may be repeated if necessary.

A 0.26 μ l aliquot of mung bean nuclease (150,000 u/ml) is added to sheared DNA and the sample is incubated at 30° C for 10 minutes. To stop the digestion, 20 μ l of 1 M NaCl, 140 μ l dd H₂O, and 200 μ l of phenol:chloroform are added to the sample which is then, vortexed and centrifuged for 20 minutes at 13,000 rpm. The resulting aqueous phase is transferred into a new 1.5 ml microcentrifuge tube, 500 μ l of 95% ethanol is added, and the DNA is precipitated overnight at -80° C. The sample is centrifuged for 30 minutes at 13,000 rpm, washed with 500 μ l of 95% ethanol and centrifuged again for 30 minutes at 13,000rpm. The sample is then dried under vacuum, and resuspended in 10 μ l TE.

The sheared DNA fragments are sized and purified by preparative agarose gel electrophoresis. Five microliters of 6x BP-XC-glycerol dye (0.25% BP, 0.25% XC, 30% glycerol) is added to the sample. The sample is split into two samples and loaded (12.5 μ l per lane) on a 0.8% (1x TAE) low-melting agarose gel (SeaPlaque GTG) and electrophoresed at 60 V, 46 mA for 3.5 hours.

The gel is photographed under long wave UV and slices containing DNA fragments of 1.3 - 1.7 kb and 2 - 4 kb are excised and excess agarose cut away. The gel slices are placed in 1.5 ml microcentrifuge tubes. One gel slice is stored at -20° C. 15 μ l of 1 M NaCl is added to the other gel slice, followed by melting of the agarose by incubation at 65° C for 8 minutes. The resulting approximately 250 μ l samples are placed into microcentrifuge tubes. An equal volume of water is added, following which the sample is vortexed and placed at room temperature for 2 minutes to bring the temperature up to 30 -35° C. 0.5 ml of water-saturated phenol that has been cooled on ice is added and the sample vortexed vigorously. The sample is placed on ice for 5 minutes, and the vortexing step repeated.

The sample is centrifuged at 4°C in a microcentrifuge for 20 minutes. The upper phase is transferred to a clean tube, and the bottom phenol layer is reextracted by addition of 200 μ l of dd H₂O. The sample is vortexed and placed on ice for 5 minutes, followed

by centrifugation for 15 minutes. The aqueous layer is extracted and added to the aqueous layer from the previous step. Phenol extraction is repeated with 0.5 ml phenol, followed by vortexing and centrifugation for 20 minutes at 4°C. The aqueous layer is removed and repeated sec-butanol extractions are performed until the final volume is reduced to
 5 approximately 0.165 ml

Two volumes of 95% ethanol (400 µl) are added and the sample is stored at -80° C overnight. The sample is centrifuged for 30 minutes at room temperature to pellet the DNA, washed once with 95% ethanol and dried briefly under vacuum. The sample is resuspended in 7 µl of TE. A 1 µl sample is run on a 0.8% agarose gel with markers to
 10 estimate concentration of recovered fraction.

M13 Library

20 ng of M13 DNA digested with *Sma*I is mixed with 1 µl of 10x ligation buffer (10X ligation buffer = 0.5M tris pH 7.4, 0.1M MgCl₂, 0.1M DDT), 1µl of 1mM ATP and 100 - 200 ng of sheared genomic DNA fragments (1 - 3 µl volume), and 0.3 µl of high
 15 concentration NEB ligase (5 unit/µl) is added. Water is added to a final volume of 10ul and the sample is incubated overnight at 14° C.

Plasmid Library

200 ng (4 µl) of pSTBlue vector (Novegene) is mixed with approximately 600 ng (12 µl) of sheared genomic DNA fragments from the 2-4kb size range gel slices and 1.2
 20 µl of Gibco T4 ligase (5 units per µl) is added. Water is added to a final volume of 30ul and the sample is incubated overnight at 14° C.

Transformation

The ligation reaction is titered and diluted for optimal transformation efficiency. When the ligation contains approximately 20 ng of M13 vector, the dilution will typically
 25 be from 1:25 to 1:100. A 1:25 dilution is used for plasmid ligation containing approximately 200 ng of vector DNA. To increase transformation efficiency, the ligase is denatured by heating at 65°C for 7 minutes, and placed at room temperature for 5 minutes following the heating step.

A sterile electroporation cuvette is chilled for each transformation. Electro-
 30 competent cells are removed from the -80° C freezer and thawed on ice. For each M13

transformation, a sterile tube containing 25 μ l of IPTG (25 mg/ml in water), 25 μ l of X-Gal (25 mg/ml in dimethylformamide) and 3 ml of YT top agar is prepared, capped and placed in a 45° C water bath. YT plates are pre-warmed at 37° C for several hours to avoid cross-contamination problems that may result if water remains on plates. For

5 plasmid transformations, a sterile tube containing 0.5 ml of SOC medium is prepared for each transformation, and L + amp plates are pre-spread with 25 μ l of IPTG and 25 μ l of X-Gal.

25 μ l of electro-competent cells are mixed with DNA in diluted ligation mix in the cuvette, and the sample pulsed in an *E. coli* pulser (BioRad) set to the appropriate

10 voltage (1.80kV for 0.1 cm cuvettes; 2.50kV for 0.2 cm cuvettes). The cuvette is removed from the pulser, and the sample immediately transferred to the tube containing SOC or YT top agar. For M13 transfections, the sample is plated immediately on YT plates. For plasmid transformations, the tube is placed in a 37° C shaker for 15-30 minutes and 30 μ l aliquots are plated on L + Amp plates. Plates are incubated at 37° C

15 overnight.

Example 3

This example serves to illustrate how the genomic sequences are sequenced and combined into contigs. Two basic methods can be used for DNA sequencing, the chain termination method of Sanger *et al.*, *Proc. Natl. Acad. Sci. USA* 74:5463-5467 (1977),

20 the entirety of which is herein incorporated by reference and the chemical degradation method of Maxam and Gilbert, *Proc. Natl. Acad. Sci. USA* 74:560-564 (1977).

Automation and advances in technology such as the replacement of radioisotopes with fluorescence-based sequencing have reduced the effort required to sequence DNA (Craxton, *Methods*, 2:20-26 (1991); Ju *et al.*, *Proc. Natl. Acad. Sci. USA* 92:4347-4351

25 (1995); Tabor and Richardson, *Proc. Natl. Acad. Sci. USA* 92:6339-6343 (1995)).

Automated sequencers are available from, for example, Pharmacia Biotech, Inc., Piscataway, New Jersey (Pharmacia ALF), LI-COR, Inc., Lincoln, Nebraska (LI-COR 4,000) and Millipore, Bedford, Massachusetts (Millipore BaseStation).

In addition, advances in capillary gel electrophoresis have also reduced the effort

30 required to sequence DNA and such advances provide a rapid high resolution approach

for sequencing DNA samples (Swerdlow and Gesteland, *Nucleic Acids Res.* 18:1415-1419 (1990); Smith, *Nature* 349:812-813 (1991); Luckey *et al.*, *Methods Enzymol.* 218:154-172 (1993); Lu *et al.*, *J. Chromatog. A.* 680:497-501 (1994); Carson *et al.*, *Anal. Chem.* 65:3219-3226 (1993); Huang *et al.*, *Anal. Chem.* 64:2149-2154 (1992); Kheterpal
 5 *et al.*, *Electrophoresis* 17:1852-1859 (1996); Quesada and Zhang, *Electrophoresis* 17:1841-1851 (1996); Baba, *Yakugaku Zasshi* 117:265-281 (1997)). The 3700 DNA Sequencer (Perkin-Elmer Corp., Applied Biosystems Div., Foster City, CA) is a machine which uses this technology.

A number of sequencing techniques are known in the art, including fluorescence-
 10 based sequencing methodologies. These methods have the detection, automation and instrumentation capability necessary for the analysis of large volumes of sequence data. With these types of automated systems, fluorescent dye-labeled sequence reaction products are detected and data entered directly into the computer, producing a chromatogram that is subsequently viewed, stored, and analyzed using the corresponding
 15 software programs. These methods are known to those of skill in the art and have been described and reviewed (Birren *et al.*, *Genome Analysis: Analyzing DNA*, 1, Cold Spring Harbor, New York (1999)).

PHRED is used to call the bases from the sequence trace files (www.mbt.washington.edu). Phred uses Fourier methods to examine the four base traces
 20 in the region surrounding each point in the data set in order to predict a series of evenly spaced predicted locations. That is, it determines where the peaks would be centered if there were no compressions, dropouts, or other factors shifting the peaks from their "true" locations. Next, PHRED examines each trace to find the centers of the actual, or observed peaks and the areas of these peaks relative to their neighbors. The peaks are
 25 detected independently along each of the four traces so many peaks overlap. A dynamic programming algorithm is used to match the observed peaks detected in the second step with the predicted peak locations found in the first step.

After the base calling is completed, contaminating sequences (*e.g.*, *E. coli*) are removed, and BAC vector and sub-cloning vectors sequence segments with > 30 bases

are trimmed and constraints are made for the assembler. Rice contigs are assembled using CAP3 (Huang *et al.*, *Genomics* 46: 37-45 (1997)).

A two-step re-assembly process is employed to reduce sequence redundancies caused by overlaps between BAC clones. In the first step, BAC clones are grouped into clusters based on overlaps between contig sequences from different BACs. These overlaps are identified by comparing each sequence in the dataset against every other sequences, by BLASTN. BACs containing overlaps greater than 5,000 base pairs in length and greater than 94% in sequence identity are put into the same cluster. Repetitive sequences are masked prior to this procedure to avoid false joining by repetitive elements present in the genome. In the second step, sequences from each BAC cluster are assembled by PHRAP.longread, which is able to handle very long sequences. A minimum match is set at 100 bp and a minimum score is set at 600 as a threshold to join input contigs into longer contigs.

Arabidopsis thaliana contigs are assembled using PANGEA clustering tools (PANGEA Systems, Inc.) and PHRAP (www.mbt.washington.edu). PANGEA clustering tools are a series of scripts which group sequences (clusters) by comparing pairs of sequences for overlapping bases. The overlap is determined using the following high stringency parameters: word size = 8; window size = 60; and identity is 93%. Each of the clusters are then assembled using PHRAP. This step results in islands. The next step is to combine the islands together to collapse the contig number even further. Default, less stringent parameters, are used in this step: minimum match =14, minimum score = 30; and the penalty is -2.

Example 4

This example illustrates the identification of genes within rice or *Arabidopsis thaliana* genomic contig libraries as assembled above. The genes and partial genes embedded in such contigs are identified through a series of informatic analyses. The tools to define genes fall into two categories: homology-based and predictive-based methods. Homology-based searches (*e.g.*, GAP2, BLASTX supplemented by NAP and TBLASTX) detect conserved sequences during comparisons of DNA sequences or hypothetically translated protein sequences to public and/or proprietary DNA and protein

databases. Existence of an *Oryza sativa* gene is inferred if significant sequence similarity extends over the majority of the target gene. Since homology-based methods may overlook genes unique to *Oryza sativa*, for which homologous nucleic acid molecules have not yet been identified in databases, gene prediction programs are also used.

- 5 Predictive methods employed in the definition of the *Oryza sativa* genes include the use of the GenScan gene predictive software program. GeneScan is available from Stanford University (*e.g.* at the web site gnomic.stanford.edu/GENSCANW.html). In general terms, GenScan infers the presence and extent of a gene through a search for “gene-like” grammar.

- 10 The homology-based methods used to define the *Oryza sativa* gene set include BLASTX supplemented by NAP. For a description of BLASTX *see* Coulson, *Trends in Biotechnology* 12:76-80 (1994) and Birren *et al.*, *Genome Analysis*, 1:543-559 (1997). NAP is part of the Analysis and Annotation Tool (AAT) for Finding Genes in Genomic Sequences which was developed by Xiaoqiu Huang at Michigan Tech University and is
- 15 available at the web site genome.cs.mtu.edu/. The AAT package includes two sets of programs, one set DPS/NAP (referred to as “NAP”) for comparing the query sequence with a protein database, and the other set DDS/GAP2 (referred to as “GAP2”) for comparing the query sequence with a cDNA database. Each set contains a fast database search program and a rigorous alignment program. The database search program quickly
- 20 identifies regions of the query sequence that are similar to a database sequence. Then the alignment program constructs an optimal alignment for each region and the database sequence. The alignment program also reports the coordinates of exons in the query sequence. *See* Huang *et al.*, *Genomics* 46: 37-45 (1997).

- 25 The NAP program computes a global alignment of a DNA sequence and a protein sequence without penalizing terminal gaps. NAP handles frameshifts and long introns in the DNA sequence. The program delivers the alignment in linear space, so long sequences can be aligned. It makes use of splice site consensus in alignment computation. Both strands of the DNA sequence are compared with the protein sequence and one of the two alignments with the larger score is reported. *See* Huang, and Zhang,
- 30 “*Computer Applications in the Biosciences* 12(6), 497-506 (1996).

NAP takes a nucleotide sequence, translates it in three forward reading frames and three reverse complement reading frames, and then compares the six translations against a protein sequence database (*e.g.* the non-redundant protein (*i.e.*, nr-aa) database maintained by the National Center for Biotechnology Information as part of GenBank and available at the web site: www.ncbi.nlm.nih.gov).

The second homology-based method used for gene discovery is BLASTX hits extended with the NAP software package. BLASTX is run with the *Oryza sativa* genomic contigs as queries against the GenBank non-redundant protein data library identified as "nr.aa". NAP is used to better align the amino acid sequences as compared to the genomic sequence. NAP extends the match in regions where BLASTX has identified high-scoring-pairs (HSPs), predicts introns, and then links the exons into a single ORF prediction. Experience suggests that NAP tends to mis-predict the first exon. The NAP parameters are:

gap extension penalty = 1

gap open penalty = 15

gap length for constant penalty = 25

min exon length (in aa) = 7

minimum total length of all exons in a gene (in nucleotide) = 200

homology > 40%

The NAP alignment score and GenBank reference number for best match are reported for each contig for which there is a NAP hit.

The GenScan program is "trained" with *Arabidopsis thaliana* characteristics. Though better than the "off-the-shelf" version, the GenScan trained to identify *Oryza sativa* and *Arabidopsis thaliana* genes proved more proficient at predicting exons than predicting full-length genes. Predicting full-length genes is compromised by point mutations in the unfinished contigs, as well as by the short length of the contigs relative to the typical length of a gene. Due to the errors found in the full-length gene predictions by GenScan, inclusion of GenScan-predicted genes is limited to those genes and exons whose probabilities are above a conservative probability threshold. The GenScan parameters are:

weighted mean GenScan P value > 0.4

mean GenScan T value > 0

mean GenScan Coding score > 50

length > 200 bp

- 5 The weighted mean GenScan P value is a probability for correctly predicting ORFs or partial ORFs and is defined as the $(1/\sum l_i)(\sum l_i P_i)$, where “l” is the length of a exon and “P” is the probability or correctness for the exon.

Example 5

10 This example illustrates the generation of the EST libraries from cDNA prepared from a variety of *Arabidopsis thaliana*, Columbia ecotype, *Glycine max*, *Oryza sativa* and *Zea mays* tissue. Wild type *Arabidopsis thaliana* seeds are planted in commonly used planting pots and grown in an environmental chamber. Tissue is harvested as follows:

- (a) For leaf tissue-based cDNA, leaf blades are cut with sharp scissors at seven weeks after planting;
- 15 (b) For root tissue-based cDNA, roots of seven-week old plants are rinsed intensively with tap water to wash away dirt, and briefly blotted by paper towel to take away free water;
- (c) For stem tissue-based cDNA, stems are collected seven to eight weeks after planting by cutting the stems from the base and cutting the top of the
- 20 plant to remove the floral tissue;
- (d) For flower bud tissue-based cDNA, green and unopened flower buds are harvested about seven weeks after planting;
- (e) For open flower tissue-based cDNA, completely opened flowers with all parts of floral structure observable, but no siliques are appearing, and are
- 25 harvested about seven weeks after planting;
- (f) For immature seed tissue-based cDNA, seeds are harvested at approximately 7-8 weeks of age. The seeds range in maturity from the smallest seeds that could be dissected from siliques to just before starting to turn yellow in color.

All tissue is immediately frozen in liquid nitrogen and stored at -80 °C until total RNA extraction. The stored RNA is purified using Trizol reagent from Life Technologies (Gibco BRL, Life Technologies, Gaithersburg, Maryland U.S.A.), essentially as recommended by the manufacturer. Poly A+ RNA (mRNA) is purified using magnetic oligo dT beads essentially as recommended by the manufacturer (Dynabeads, Dynal Corporation, Lake Success, New York U.S.A.).

Construction of plant cDNA libraries is well-known in the art and a number of cloning strategies exist. A number of cDNA library construction kits are commercially available. The Superscript™ Plasmid System for cDNA synthesis and Plasmid Cloning (Gibco BRL, Life Technologies, Gaithersburg, Maryland U.S.A.) is used, following the conditions suggested by the manufacturer.

The cDNA libraries are plated on LB agar containing the appropriate antibiotics for selection and incubated at 37° for a sufficient time to allow the growth of individual colonies. Single colonies are individually placed in each well of a 96-well microtiter plates containing LB liquid including the selective antibiotics. The plates are incubated overnight at approximately 37°C with gentle shaking to promote growth of the cultures. The plasmid DNA is isolated from each clone using Qiaprep plasmid isolation kits, using the conditions recommended by the manufacturer (Qiagen Inc., Santa Clara, California U.S.A.).

The template plasmid DNA clones are used for subsequent sequencing. For sequencing the cDNA libraries, a commercially available sequencing kit, such as the ABI PRISM dRhodamine Terminator Cycle Sequencing Ready Reaction Kit with AmpliTaq® DNA Polymerase, FS, is used under the conditions recommended by the manufacturer (PE Applied Biosystems, Foster City, CA). The ESTs of the present invention are generated by sequencing initiated from the 5' end of each cDNA clone.

A number of sequencing techniques are known in the art, including fluorescence-based sequencing methodologies. These methods have the detection, automation and instrumentation capability necessary for the analysis of large volumes of sequence data. Currently, the 377 DNA Sequencer (Perkin-Elmer Corp., Applied Biosystems Div., Foster City, CA) allows the most rapid electrophoresis and data collection. With these

types of automated systems, fluorescent dye-labeled sequence reaction products are detected and data entered directly into the computer, producing a chromatogram that is subsequently viewed, stored, and analyzed using the corresponding software programs. These methods are known to those of skill in the art and have been described and reviewed (Birren *et al.*, *Genome Analysis: Analyzing DNA*, 1, Cold Spring Harbor, New York).

The generated ESTs (including any full length cDNA sequences) are combined with ESTs and full length cDNA sequences in public databases such as GenBank. Duplicate sequences are removed; and duplicate sequence identification numbers are replaced. The combined dataset is then clustered and assembled using Pangea Systems tool identified as CAT v.3.2. First, the EST sequences are screened and filtered, *e.g.* high frequency words are masked to prevent spurious clustering; sequence common to known contaminants such as cloning bacteria are masked; high frequency repeated sequences and simple sequences are masked; unmasked sequences of less than 100 bp are eliminated. The thus-screened and filtered ESTs are combined and subjected to a word-based clustering algorithm which calculates sequence pair distances based on word frequencies and uses a single linkage method to group like sequences into clusters of more than one sequence, as appropriate. Clustered sequence files are assembled individually using an iterative method based on PHRAP/CRAW/MAP providing one or more self-consistent consensus sequences and inconsistent singleton sequences. The assembled clustered sequence files are checked for completeness and parsed to create data representing each consensus contiguous sequence (contig), the initial EST sequences, and the relative position of each EST in a respective contig. The sequence of the 5' most clone is identified from each contig. The initial sequences that are not included in a contig are separated out. A FASTA file is created consisting of sequences comprising the sequence of each contig and all original sequences which were not included in a contig.

Example 6

cDNA sequences are assembled as above and are translated into all six reading frames. Translations of genes or gene fragments from genomic DNA whose coordinates are determined by Genscan or AAT/NAP are searched against standard or fragment Pfam

(version 5.3) profile Hidden Markov Models for transcription factor families as are the cDNA translations (A. Bateman, E. Birney, R. Durbin, S.R. Eddy, K.L. Howe, and E.L.L. Sonnhammer *Nucleic Acids Research*, 28:263-266, 2000). HMMs for transcription factor families in Pfam were rebuilt using HMMER software based on the full alignment
 5 provided in Pfam. The E value cutoff is set at 10.

Hidden Markov Models are constructed for transcription factor families not included in the Pfam database by aligning known domains manually. Hidden Markov Models are built using hmmbuild (with and without the -f option) using the HMMER software with the alignments as input. HMM models are calibrated using the HMMER
 10 software (hmmcalibrate) with the HMM model as input. Protein data sets are searched with the HMM models using hmmsearch in the HMMER software package version 2.1.1 using default parameters.

Framealign searches are used when known transcription factor domains are not detected by Hidden Markov Models. In these cases, the domains per transcription factor
 15 family are listed from the Transfac database (Wingender, E., Chen, X., Hehl, R., Karas, H., Liebich, I., Matys, V., Meinhardt, T., Pr   , M., Reuter, I. and Schacherer, F.:TRANSFAC: an integrated system for gene expression regulation *Nucleic Acids Res.* 28, 316-319 (2000)). Using Gencore software version 4.5.4 (Compugen, www.cgen.com) DNA datasets are framealign searched with each domain using an E
 20 value cutoff of 1E-3 all other parameters are default. The search results are combined for all domains per family.

Additional transcription factors are found by keyword searches which are carried out against cDNA sequences annotated using the BLAST 2.0 suite of programs with default parameters. Keyword searching is carried out against the top hit (E value better
 25 than or equal to 1E-08) using terms indicative of transcription factor families from Table 1.

Description of the Tables:

Table 1 Column Headings:

Transcription Factor Family: Entries in this column list the transcription factor families as listed in the Pfam database (pfam.wustl.edu/), Transfac (Wingender, E., *et al.*, *Nucleic Acids Res.* 28, 316-319 (2000) or PROSITE (expasy.proteome.org.au/prosite/).

Family Description: Entries in this column describe the transcription factor families listed in column 1. These descriptions are from the Pfam database (pfam.wustl.edu/), Transfac (Wingender, E., *et al.*, *Nucleic Acids Res.* 28, 316-319 (2000) or PROSITE (expasy.proteome.org.au/prosite/).

Related families: Entries in this column list the transcription factor families related to the families listed in column 1.

Table 2

Table 2 lists the *Arabidopsis thaliana* amino acid sequences translated from cDNA sequences determined to be transcription factors as analyzed in Example 6, above.

Table 2 column headings

SEQ NUM

The entries in the SEQ NUM column refer to the corresponding sequence in the sequence listing

SEQ ID

The SEQ ID is the name of the sequence as given in the SEQDB database (Monsanto, St. Louis Missouri). ".f1", ".f2", ".f3", ".f4", ".f5" and ".f6" refer the frame in which these sequences are translated from their corresponding nucleic acid sequence listed in Table 3.

Family/Method/E value

Entries in this column list the transcription factor family to which the sequence belongs. The families are described in Table 1. The entries also list the method used to determine transcription factor family. "HMM" refers to the Hidden Markov Model method as described in Example 6. "Framesearch" refers to the framealign search method described in Example 6 and "keyword" refers to BLAST annotation followed by keyword searching as described in Example 6.

The E value for each of the methods is also listed in this column. E value is defined as the expectation E (range 0 to infinity) calculated for an alignment between the query sequence and a database sequence can be extrapolated to an expectation over the entire database search, by converting the pairwise expectation to a probability (range 0-1) and multiplying the result by the ratio of the entire database size (expressed in residues) to the length of the matching database sequence. In detail:

$$E_database = (1 - \exp(-E)) D / d$$

where D is the size of the database; d is the length of the matching database sequence; and the quantity $(1 - \exp(-E))$ is the probability, P, corresponding to the expectation E for the pairwise sequence comparison.

Table 3

Table 3 lists the sequences encoding transcription factors for *Arabidopsis thaliana*. These nucleic acid molecules are cDNA sequences assembled as in Example 6. They encode the amino acid molecules listed in Table 2. Correspondence between a particular nucleic acid molecule and its amino acid sequence is evident in that both have the same names under the Seq ID column except that the amino acid sequences in Table 2 are followed by .f1,.f2,.f3,.f4,.f5,f6 referring to the frame in which they are translated.

The column heading descriptions are the same as in Table 2.

Table 4

Table 4 lists the amino acid sequences determined to be transcription factors from maize. ".f1",".f2",".f3",".f4",".f5" and ".f6" extensions under the Seq ID column refer the frame in which these sequences are translated from their corresponding nucleic acid sequence listed in Table 5. The column headings are the same as in Table 2.

Table 5

Table 5 lists the sequences encoding transcription factors for maize. These nucleic acid molecules are cDNA sequences assembled as in Example 6. They encode the amino acid molecules listed in Table 4. Correspondence between a particular nucleic acid molecule and its amino acid sequence is evident in that both have the same names under the Seq ID column except that the amino acid sequences in Table 5 are followed by .f1,.f2,.f3,.f4,.f5,f6 referring to the frame in which they are translated.

The column heading descriptions are the same as in Table 2.

Table 6

Table 6 lists the amino acid sequences determined to be transcription factors from rice. ".frame1", ".frame2", ".frame3", ".frame4", ".frame5" and ".frame6" extensions under the Seq ID column refer the frame in which these sequences are translated from their
5 corresponding nucleic acid sequence listed in Table 7. The column headings are the same as in Table 2.

Table 7

Table 7 lists the sequences encoding transcription factors for rice. These nucleic
10 acid molecules are cDNA sequences assembled as in Example 5. They encode the amino acid molecules listed in Table 6. Correspondence between a particular nucleic acid molecule and its amino acid sequence is evident in that both have the same names under the Seq ID column except that the amino acid sequences in Table 6 are followed by .f1,.f2,.f3,.f4,.f5,f6 referring to the frame in which they are translated.

15 The column heading descriptions are the same as in Table 2.

Table 8

Table 8 lists the amino acid sequences determined to be transcription factors from soy. ".f1", ".f2", ".f3", ".f4", ".f5" and ".f6" extensions under the Seq ID column refer the frame in which these sequences are translated from their corresponding nucleic acid
20 sequence listed in Table 9. The column headings are the same as in Table 2.

Table 9

Table 9 lists the sequences encoding transcription factors for rice. These nucleic
acid molecules are cDNA sequences assembled as in Example 6. They encode the amino acid molecules listed in Table 8. Correspondence between a particular nucleic acid
25 molecule and its amino acid sequence is evident in that both have the same names under the Seq ID column except that the amino acid sequences in Table 8 are followed by .f1,.f2,.f3,.f4,.f5,f6 referring to the frame in which they are translated.

The column heading descriptions are the same as in Table 2.

Table 10

Table 10 lists *Arabidopsis thaliana* amino acid sequences determined to be transcription factors by the methods in Example 6. These amino acid sequences are translated from genomic DNA sequences. The translation coordinates are determined by

5 GENSCAN as described in Example 4.

The column heading descriptions are the same as in Table 2

Table 11

Table 11 lists rice amino acid sequences determined to be transcription factors by the methods in Example 6. These amino acid sequences are translated from genomic

10 DNA sequences. The translation coordinates are determined by GENSCAN as described in Example 4.

The column heading descriptions are the same as in Table 2.

Table 12

Table 12 lists rice amino acid sequences determined to be transcription factors by the methods in Example 6. These amino acid sequences are translated from genomic

15 DNA sequences. The translation coordinates are determined by AAT/NAP as described in Example 4.

The column heading descriptions are the same as in Table 2.

20 All references, patents, and patent applications cited in this application are incorporated by reference in their entirety.

Table 1

Transcription factor family	Family description	Related families
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AP2	This 60 amino acid residue domain can bind to DNA -- this domain is plant specific -- members of this family are suggested to be related to pyridoxal phosphate-binding domains such as found in aminotran 2 – ethylene response (inducible). <u>Examples:</u> ethylene-responsive element binding proteins (EREBPs) & <i>E. coli</i> universal stress protein UspA	
ANK	Ankyrin repeat. Some Ankyrin-only proteins will interact with rel-ankyrin proteins to inhibit DNA binding activity. <u>Examples:</u> IkB α , γ , β and cactus.	
ARF	Auxin response factor -- plant specific. Not in Pfam-- not to be confused with similarly named ADP-ribosylation factor (GTP binding protein) which is listed as ARF in Pfam.	
ARID	AT-Rich Interaction Domain – DNA-binding. <u>Examples:</u> Structural homology with T4 RNase H, <i>E. coli</i> endonuclease III & <i>Bacillus subtilis</i> DNA polymerase I	
AT-hook	The AT-hook is an AT-rich DNA-binding motif that was first described in mammalian high-mobility-group non-histone chromosomal protein HMG-I/Y. It is necessary and sufficient for binding to the narrow minor groove of stretches of AT-rich DNA via a conserved nine amino acid peptide (KRPRGRPKK). Many of the AT-hook DNA-binding motif proteins have been shown to have an effect on the structure and architecture of chromatin at levels beyond the action of the basic histones. They have been shown to also play a role in transcription regulation by acting as cofactors.	
14-3-3	The 14-3-3 proteins are a family of closely related acidic homodimeric proteins of about 30 Kd. The GF14 (G-Box Factor 14-3-3 Homolog) family are a group of proteins similar to 14-3-3 proteins that bind G-box oligonucleotides in promoters to regulate transcription.	
B3	Similar to ARF – plant specific. Not in Pfam. Binds DNA directly.	
BAH	Bromo-adjacent homology. Appears to act as a protein-protein interaction module specialized in gene silencing. It might play an important role by linking DNA methylation, replication and transcriptional regulation. <u>Examples:</u> DNA (cytosine-5) methyltransferases & Origin recognition complex 1 (Orc1) proteins.	bromodomain
basic	This basic domain is found in the MyoD family of muscle specific proteins that control muscle development. The bHLH region of the MyoD family includes the basic domain and the Helix-loop-helix (HLH) motif. The bHLH region mediates specific DNA binding with 12 residues of the basic domain involved in DNA binding. The basic domain forms an extended alpha helix in the structure.	bHLH
BPF-1	The parsley BPF-1 protein (Box P-binding factor) was identified as a transcription factor that bound the promoter of	

	phenylalanine ammonia lyase (PAL1) in response to a fungal elicitor. An Arabidopsis homolog HPPBF-1 (H-protein promoter binding factor-1), was found to regulate light-dependent expression of the H subunit of glycine decarboxylase, a mitochondrial enzyme complex involved in photorespiration.	
bromodomain	About 70 amino acids -- Exact function of this domain is not yet known but it is thought to be involved in protein-protein interactions and it may be important for the assembly or activity of multicomponent complexes involved in transcriptional activation. <u>Examples:</u> Mammalian CREB-binding protein; also found in many chromatin associated proteins -- bromodomains can interact specifically with acetylated lysine.	BAH
BTB	Named for BR-C, ttk and bab -- approximately 115 amino acids. The POZ or BTB domain is also known as BR-C/Ttk or ZfN Found primarily in zinc finger proteins -- present near the N-terminus of a fraction of zinc finger (zf-C2H2) proteins. The BTB/POZ domain mediates homomeric dimerization and in some instances heteromeric dimerization -- inhibits the interaction of their associated finger regions with DNA -- shown to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. <u>Other Examples:</u> <i>Drosophila</i> bric a brac protein plus an estimated 40 members in <i>Drosophila</i> .	POZ Zf-C2H2
BZIP	Basic region mediating sequence-specific DNA-binding followed by a leucine zipper required for dimerization -- family is quite large. <u>Examples:</u> Fos, Jun, CRE, & <i>Arabidopsis</i> G-box binding factors GBF.	
CBFD, NFYB, HMF	Histone-like transcription factors (CBF/NF-Y) and archaeal histones CCAAT-binding factor (CBF). Heteromeric transcription factor that consists of two different components, both needed for DNA-binding. First subunit of CBFD (NF-YB) binds DNA (protein of 116 to 210 amino-acid residues); the second subunit of CBFD (NF-YA) contains an N-terminal subunit-association domain and a C-terminal DNA recognition domain (a protein of 265 to 350 amino-acid residues). <u>Other Examples:</u> histone-like subunits of transcription factor IID.	Histones
chromo	CHRomatin Organization MOdifier -- about 60 amino acids Originally found in proteins that modify the structure of chromatin to the condensed morphology of heterochromatin (<i>Drosophila</i> modifiers of variegation). <u>Examples:</u> Fission yeast swi6 (repression of the silent mating-type loci mat2 and mat3), <i>Drosophila</i> protein Su(var)3-9 (a suppressor of position-effect variegation), & mammalian DNA-binding/helicase proteins CHD-1 to CHD-4.	chromo shadow

chromo shadow	This domain is distantly related to chromo. This domain is always found in association with a chromo domain although not all chromo domain proteins contain the chromo shadow. <u>Examples:</u> Fission yeast swi6 (repression of the silent mating-type loci mat2 and mat3).	chromo
Copper-fist	Some fungal transcription factors contain a N-terminal domain which seems to be involved in copper-dependent DNA-binding -- undergo a conformational change in presence of copper. <u>Examples:</u> Yeast ACE1 (or CUP2) and <i>Candida glabrata</i> AMT1 which regulate the expression of the metallothionein genes -- <i>Yarrowia lipolytica</i> copper resistance protein CRF1.	
CSD	Cold shock domain -- about 70 amino acids. Binds to the CCAAT-containing Y box and the B box. Binds to cold tolerance gene promoters in bacteria. <u>Examples:</u> <i>E. coli</i> protein CS7.4 (gene cspA) which is induced in response to low temperature & <i>Bacillus subtilis</i> cold-shock proteins cspB and cspC.	
Ctf/nfi	Nuclear factor I (NF-I) or CCAAT box-binding transcription factor (CTF) (also known as TGGCA-binding proteins) are a family of vertebrate nuclear proteins which recognize and bind, as dimers, the palindromic DNA sequence 5'-TGGCANNNTGCCA-3'. CTF/NF-I binding sites are present in viral and cellular promoters and in the origin of DNA replication of Adenovirus type 2.	
Dm-domain	The DM domain is named after dsx and mab-3 -- dsx contains a single amino-terminal DM domain, whereas mab-3 contains two amino-terminal domains. The DM domain has a pattern of conserved zinc chelating residues C2H2C4. The dsx DM domain has been shown to dimerize and bind palindromic DNA.	
Dof	Dof proteins are a family of TFs that share a unique DNA-binding domain of ~52 aa. May form a single zinc-finger that is essential for DNA recognition. Plant specific and have various roles in the cell. Found in both monocots and dicots.	
DPB	Described by Mendel as the DNA-binding protein (DBP) family, a collection of miscellaneous proteins that have been functionally identified by their ability to physically bind to DNA via a DNA-binding domain. Here, includes the remorin like DNA-binding proteins. Also see TEO which describes the PCF1/2 like TFs.	TEO
ENBP	ENBP1 (early nodulin gene-binding protein 1), binds to an AT-rich regulatory element of psENOD12b to regulate its expression upon infection of plant root hairs by nitrogen-fixing bacteria. ENBP1 and ENBP1-like transcription factors are probably involved in general cellular processes, others than in a symbiotic context.	
Ets	Ets transcription factors are nuclear effectors of the Ras-MAP-kinase signaling pathway. Avian leukemia virus E26 is a replication defective retrovirus that induces a mixed erythroid/myeloid leukemia in chickens. E26 virus carries two distinct oncogenes, v-myb and v-ets. The ets portion of this oncogene is required for the induction of erythroblastosis. V-ets and c-ets-1, its cellular progenitor, have	

	been shown to be nuclear DNA-binding proteins.	
Fork_head	About 100 amino-acid residues, also known as the “winged helix” – present in some eukaryotic transcription factors – involved in DNA-binding. Examples: <i>Drosophila</i> forkhead (fkh), mammalian transcriptional activators HNF-3-alpha, -beta, and -gamma, human HTLF, <i>Xenopus</i> XFKH1, yeast HCM1, yeast FKH1.	
GATA	GATA family of transcription factors are proteins that bind to DNA sites with the consensus sequence (A/T)GATA(A/G). Contain a pair of highly similar 'zinc finger' type domains. <u>Examples:</u> GATA 1-4 are TF found in mammals; they regulate development in certain cell types by binding to the GATA promoter region of globulin genes, & others. <u>Note:</u> A similar single 'zinc finger' domain protein is involved in positive and negative nitrogen metabolism gene regulation in fungus and yeast and also <i>Neurospora crassa</i> light regulated genes.	Zinc Finger
Gld	A domain with limited amino acid similarity to the TEA DNA binding domain found in a number of regulatory genes from fungi, insects, and mammals. This domain is predicted to form two alpha helices with sequence similarity to two alpha helices of the TEA domain that are implicated in DNA binding. These proteins are not picked up by Pfam's TEA model. Found in some response_reg proteins. Examples: ARR, AT1; both in Arabidopsis. Golden2 in maize.	Response_reg
HhH	Helix-hairpin-helix motif – multiple domains found in a protein. These HhH motifs bind DNA in a non-sequence-specific manner. <u>Examples:</u> Rat pol beta, endonuclease III, AlkA, & the 5' nuclease domain of <i>Taq</i> pol I.	
Hist_deacetyl	Regulation of transcription is caused in part by reversibly acetylating histones on several lysine residues. Histone deacetylases catalyze the removal of the acetyl group.	
HLH	Helix-loop-helix domain – 40 to 50 amino acid residues. Two amphipathic helices joined by a variable length linker region that could form a loop. This 'helix-loop-helix' (HLH) domain mediates protein dimerization -- most of these proteins have an extra basic region of about 15 amino acid residues adjacent to the HLH domain which specifically binds to DNA – members of the family are referred to as basic helix-loop-helix proteins (bHLH) -- bind E boxes -- dimerization is necessary but independent of DNA binding -- proteins without basic region act as repressors since they are unable to bind DNA but do dimerize. <u>Examples:</u> Myc (oncogene), Myo (muscle differentiation), Maize anthocyanin regulatory proteins, and other cellular differentiation TFs.	bHLH
HMG_box	High mobility group; relatively low molecular weight non-histone components in chromatin Known to bind to nucleosomes in active chromatin – thought to be involved in chromatin formation.	
HMG14_17	High mobility group.	HMG

	HMG14 and HMG17 are two related proteins of about 100 amino acid residues that bind to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. These two proteins may be involved in the process that maintains transcribable genes in a unique chromatin conformation.	
Homeobox	Master control homeotic genes which determine body plan -- 60-residue motif -- subfamilies named for 3 <i>Drosophila</i> gene families. Play an important role in development - most are known to be sequence-specific DNA-binding transcription factors. The domain binds DNA through a helix-turn-helix (HTH) structure. -- Homeobox is a 3-element fingerprint that provides a signature for the homeobox domain of homeotic proteins. <u>Examples:</u> <i>Drosophila</i> hox proteins: antennapedia (Antp), abdominal-A (abd-A), deformed (Dfd), proboscipedia (pb), sex combs reduced (scr), and ultrabithorax (ubx) which are collectively known as the 'antennapedia' subfamily; the engrailed subfamily defined by engrailed (en) which specifies the body segmentation pattern and is required for the development of the CNS; and the paired gene subfamily.	Pou
Histone	Histone protein is unique to eukaryotes -- an octamer is assembled to form chromatin with 146 base pairs of DNA organized into a superhelix around a histone octomer to create a nucleosome ('beads on a string'). <u>Examples:</u> H2A, H2B, H3, & H4.	Linker histone
HSF_DNA-binding	Heat shock factor (HSF) is a DNA-binding protein that specifically binds heat shock promoter elements (HSE). HSF is expressed at normal temperatures but is activated by heat shock or chemical stresses.	
IAA	The Aux/IAA proteins were identified as a class of short-lived, nuclear localized proteins that are rapidly transcriptionally induced in response to auxin. These proteins contain four highly conserved domains (boxes I, II, III, IV)- this model covers boxes III and IV. See ARF family in this document for related proteins.	ARF
IBR	The IBR (In Between Ring fingers) domain is found to occur between pairs of ring fingers (Zf-C3HC4). The function of this domain is unknown.	Zf-C3HC4
irf	This family of transcription factors are important in the regulation of interferons in response to infection by virus and in the regulation of interferon-inducible genes. Three of the five conserved tryptophan residues bind to DNA.	
K-box	K-box region is commonly found associated with SRF-type transcription factors. The K-box is a possible coiled-coil structure. Possible role in multimer formation. <u>Examples:</u> PISTILLATA (PI) gene of <i>Arabidopsis</i> causes homeotic conversion of petals to sepals and of stamens to carpels & SRF (Serum response factor) binds the serum response element.	SRF-TF/MADS
KRAB	The KRAB domain (or Kruppel-associated box) is present in about a third of zinc finger proteins containing C2H2 fingers. The KRAB domain is found to be involved in protein-protein	Zinc Finger proteins

	interactions.	
LIM	Cysteine-rich domain of about 60 amino-acid residues. Generally occurs as two tandem copies in proteins – in the LIM domain, there are seven conserved cysteine residues and a histidine -- the LIM domain binds two zinc ions -- LIM does not bind DNA, rather it seems to act as interface for protein-protein interaction. <u>Examples:</u> Pollen specific protein (SF3), Mammalian zinc absorption protein, Vertebrate paxillin (cytoskeletal focal adhesion protein), Plaque adhesion protein, and several homeotic proteins.	Homeobox Zinc-finger
Linker_histone	Member of histone octamer – see histone. <u>Examples:</u> H1, H5	Histone
MADS	See SRF-TF	
Myb_DNA-binding	This family contains the DNA-binding domains from the Myb proteins, as well as the SANT domain family. Retroviral oncogene v-myb, and its cellular counterpart c-myb, encode nuclear DNA-binding proteins that specifically recognize the sequence YAAC(G/T)G. <u>Examples:</u> Maize C1 protein (anthocyanin biosynthesis), Maize P protein (regulates the biosynthetic pathway of a flavonoid-derived pigment in certain floral tissues), <i>Arabidopsis</i> GL1 (required for the initiation of differentiation of leaf hair cells/ trichomes), Yeast txn & telomere length proteins.	
Myc N Term	Myc amino-terminal region. The myc family belongs to the basic helix-loop-helix leucine zipper class of transcription factors. Myc forms a heterodimer with Max, and this complex regulates cell growth through direct activation of genes involved in cell replication. c-Myc can also repress the transcription of specific genes.	HLH
NAM	The NAM (no apical meristem) family is a group of transcription factors that share a highly conserved N-terminal domain of about 150 amino acids, designated the NAC domain (NAC stands for Petunia, NAM, and Arabidopsis, ATAF1, ATAF2 and CUC2). Present in monocots and dicots. Probably have roles in the regulation of embryo and flower development. Plant specific.	
NAP_FAMILY	Nucleosome assembly protein (NAP) -- histone chaperone. May be involved in regulating gene expression as a result of histone accessibility. NAP-2 (human NAP clone) can interact with both core and linker histones and recombinant NAP-2 can transfer histones onto naked DNA templates.	Histone
P53	The p53 tumor antigen is a protein found in increased amounts in a wide variety of transformed cells. p53 is probably involved in cell cycle regulation, and may be a trans-activator that acts to negatively regulate cellular division by controlling a set of genes required for this process.	
Pax	“paired box” domain -- a 124 amino-acid conserved domain -- generally located in the N-terminal section of the proteins -- function of this conserved domain is not yet known. In some of	

	the pax proteins, there is a homeobox domain upstream of the paired box. Examples: <i>Drosophila</i> segmentation pair-rule class protein paired (prd), <i>Drosophila</i> proteins Pox-meso and Pox-neuro, the PAX proteins.	
PHD	Zinc finger-like motif. Regulate the expression of the homeotic genes through a mechanism thought to involve some aspect of chromatin structure. Speculate that the PHD-fingers are protein-protein interaction domains or that they recognize a family of related targets in the nucleus such as the nucleosomal histone tails.	Zinc Finger homeodomain
POU	'POU' (pronounced 'pow') domain -- a 70 to 75 amino-acid region found upstream of a homeobox domain in some eukaryotic transcription factors. It is thought to confer high-affinity site-specific DNA-binding and to mediate cooperative protein-protein interaction on DNA. Examples: Oct genes (bind to immunoglobulin promoter octamer region to activate genes), Neuronal development genes, & <i>C. elegans</i> development genes	Homeobox
Protamine_p2	Protamine P2 can substitute for histones in the chromatin of sperm.	
Response_reg	This domain receives the signal from the sensor partner in bacterial two-component systems. It is usually found N-terminal to a DNA binding effector domain (e.g.GLD).	GLD
Rhd	Conserved domain in a family of eukaryotic transcription factors with basic impact on oncogenesis, embryonic development and differentiation including immune response and acute phase reaction -- composed of two structural domains, the N-terminal region is similar to that found in P53, whereas the C terminal region is an immunoglobulin-like fold. Examples: NF-kappa-B, RelB, <i>Drosophila</i> Dif.	
Runt	New family of heteromeric TFs.	
Scan	The SCAN domain (named after SRE-ZBP, CTfin51, AW-1 and Number 18 cDNA) is found in several zf-c2h2 proteins. This conserved domain has been shown to be able to mediate homo- and hetero-oligomerisation.	zf-c2h2
SCR	The Arabidopsis <i>SCARECROW</i> gene regulates an assymetric cell division essential for proper radial organization of root cell layers. It was tentatively described as a transcription factor based on the presence of homopolymeric stretches of several amino acids, the presence of a basic domain similar to that of the basic-leucine zipper family of transcription factors, and the presence of leucine heptad repeats. Two <i>SCARECROW</i> homologs, <i>RGA</i> and <i>GAI</i> , are involved in the gibberellin signal transduction pathway.	
SBPB	A new family of DNA binding proteins (putative transcriptional regulators) called squamosa promoter binding proteins or SBPs that potentially regulate floral transition. The SBPs possess a bipartite nuclear localization signal, a putative acidic activation domain and a so-called SBP-box DNA binding domain motif that does not show similarity to any known DNA binding motif.	

SET	<p>SET (Suvar3-9, Enhancer-of-zeste, & Trithorax) domains appear to be protein-protein interaction domains. It has been demonstrated that SET domains mediate interactions with a family of proteins that display similarity with dual-specificity phosphatases (dsPTPases). Link SET-domain containing components of the epigenetic regulatory machinery with signalling pathways involved in growth and differentiation.</p> <p><u>Examples:</u> ASH1 protein contains a SET domain and a PHD finger (required for stable patterns of homeotic gene expression in <i>Drosophila</i>).</p>	PHD Zinc Finger
SNF2_N	<p>SNF2 and "others" N-terminal domain.</p> <p><u>Examples:</u> This domain is found in proteins involved in a variety of processes including transcription regulation (e.g., SNF2, STH1, brahma, MOT1), DNA repair (e.g., ERCC6, RAD16, RAD5), DNA recombination (e.g., RAD54), & chromatin unwinding (e.g., ISWI) as well as a variety of other proteins with little functional information (e.g., lodestar, ETL1).</p>	
SRF-TF (MADS)	<p>56 amino-acid residues – function as dimers-- commonly homeotic proteins.</p> <p><u>Examples:</u> Human serum response factor (SRF), a ubiquitous nuclear protein important for cell proliferation and differentiation; homeotic proteins involved in control of floral development; yeast arginine metabolism regulation protein I, & yeast mating type specific genes.</p>	K-box
Stat	<p>STAT proteins (Signal Transducers and Activators of Transcription) are a family of transcription factors that are specifically activated to regulate gene transcription when cells encounter cytokines and growth factors. STAT proteins also include an SH2 domain.</p>	
TBP	<p>Transcription factor TFIID (or TATA-binding protein, TBP). General factor that plays a major role in the activation of eukaryotic genes transcribed by RNA polymerase II – binds the TATA box -- C-terminal domain of about 180 residues contains two conserved repeats of a 77 amino-acid region. Generates a saddle-shaped structure that sits astride the DNA.</p>	
t-box	<p>About 170 to 190 amino acids, known as the T-box domain. First found in mouse T locus (Brachyury) protein, a transcription factor involved in mesoderm differentiation. Essential in tissue specification, morphogenesis and organogenesis</p>	
Tea	<p>A DNA-binding region of about 66 to 68 amino acids which has been found in the N-terminal section of several regulatory proteins.</p> <p><u>Examples:</u> Mammalian enhancer factor TEF-1, <i>Drosophila</i> scalloped protein (gene sd), <i>Emmericella nidulans</i> regulatory protein abaA, yeast trans-acting factor TEC1, <i>C. elegans</i> hypothetical protein F28B12.2.</p>	
TEO	<p>The founding members of this gene family are teosinte-branched1 of maize and cycloidea of Antirrhinum (snapdragon), both of which are involved in the control of plant form and structure. They have limited similarity to the</p>	

	rice DNA binding proteins PCF1 and PCF2. All share a predicted basic-helix-loop-helix domain, TCP, which has been shown to be required for DNA binding of PCF1 and PCF2.	
TFIIIS	Transcription factor S-II (TFIIIS). Necessary for efficient RNA polymerase II transcription elongation, past template-encoded pause sites. TFIIIS shows DNA-binding activity only in the presence of RNA polymerase II. Contains four cysteines that bind a zinc ion and fold in a conformation termed a 'zinc ribbon'. Examples: also includes the eukaryotic and archeobacterial RNA polymerase subunits of the 15 Kd / M family, African swine fever virus protein I243L, & Vaccinia virus RNA polymerase.	
Trihelix	Plant specific domain involved in light response -- plant specific; not in Pfam.	
Transcript_fac2	Transcription factor TFIIB repeat .	
WRKY	~50-60 aa domain. Often repeated within a WRKY protein, but it may also be present as a single copy. WRKY proteins contain several general features typical of transcription factors, like putative nuclear localization signals and transcription activation domains. Founding members are ABF1 and ABF2 proteins. May be involved in regulation of sporamin and alpha-amylase genes. May also play a role in the signal transduction pathway that leads to pathogenesis-related (PR) gene activation in response to pathogens.	
ZF-B box	B-box zinc finger.	Zinc Finger
ZF-C2H2	The first zinc finger class to be characterized -- the first pair of zinc coordinating residues are cysteines, while the second pair are histidines. A number of experimental reports have demonstrated the zinc-dependent DNA or RNA binding property of some members of this class. Examples: Mammalian transcription factors Sp1-4, Xenopus transcription factor TFIIA, & <i>Drosophila</i> Hunchback and Kruppel	Zinc Finger
Zf-C3HC4	Conserved cysteine-rich domain of 40 to 60 residues (called C3HC4 zinc-finger or 'RING' finger) that binds two atoms of zinc, and is probably involved in mediating protein-protein interactions.	Zinc Finger
ZF-C4	Conserved cysteine-rich DNA-binding region of some 65 residues. Almost always the DNA-binding domain of a nuclear hormone receptor. Receptors for steroid, thyroid, and retinoid hormones belong to a family of nuclear trans-acting transcriptional regulatory factors. These proteins regulate diverse biological processes such as pattern formation, cellular differentiation and homeostasis.	Zinc Finger
ZF-CCCH	Zinc finger	Zinc Finger
ZF-CCHC	A family of CCHC zinc fingers, mostly from retroviral gag proteins (nucleocapsid). Prototype structure is from HIV. Also contains members involved in eukaryotic gene regulation, such as <i>C. elegans</i> GLH-1. Structure is an 18-residue zinc finger.	Zinc Finger
ZF-CHC2	CHC2 zinc finger	Zinc Finger

ZF-CONSTANS	CONSTANS family zinc finger. So far only reported in plants. CONSTANS (CO) gene of <i>Arabidopsis</i> promotes flowering. Some transgenic plants containing extra copies of CO flowered earlier than wild type, suggesting that CO activity is limiting on flowering time. Double mutants were constructed containing CO and mutations affecting gibberellic acid responses, meristem identity, or phytochrome function, and their phenotypes suggested a model for the role of CO in promoting flowering.	Zinc Finger
Zf-C2HC	A DNA-binding zinc finger domain. Examples: human myelin transcription factor (Myt), <i>C. elegans</i> hypothetical protein F52F12.6,	
ZF-MYND	DNA-binding domain found in <i>Drosophila</i> DEAF-1 protein which binds to a 120 bp homeotic response element.	
ZN_CLUS	A cysteine-rich region that binds DNA in a zinc-dependent fashion. Found in fungal transcriptional activator proteins. It has been shown that this region forms a binuclear zinc cluster where six conserved cysteines bind two zinc cations.	
ZZ	New putative zinc finger in dystrophin and other proteins. Binds calmodulin. DNA-binding not yet shown.	
ZF-NF-X1	Cysteine-rich sequence-specific DNA-binding protein. Interacts with the conserved X-box motif of the human major histocompatibility complex class II genes via a repeated Cys-His domain and functions as a transcriptional repressor.	Zinc Finger

Table 2: Transcription factors from *Arabidopsis thaliana*

SEQ NUM	SEQ ID	Family/Method/E-value
1	ARABL1-06-Q1-B1-F3.f3	14-3-3(HMM:0.0091)
2	934818.f2	14-3-3(HMM:0.01)
3	905536.f1	14-3-3(HMM:1.2e-33)
4	LIB3176-108-P1-K1-G9.f3	14-3-3(HMM:1.4e-05)
5	1152_5.R1010.f2	14-3-3(HMM:1.4e-62)
6	LIB3177-002-Q1-K1-C3.f2	14-3-3(HMM:1.6e-12)
7	20_2.R1010.f1	14-3-3(HMM:1.8e-180)
8	LIB3177-044-P1-K2-G11.f1	14-3-3(HMM:1.9e-07)
9	407_1.R1010.f3	14-3-3(HMM:1.9e-167)
10	LIB3176-102-P1-K1-B7.f1	14-3-3(HMM:2.3e-07)
11	jC-atXP100C251P17T7b1.f3	14-3-3(HMM:2.3e-39)
12	291_1.R1010.f1	14-3-3(HMM:2.4e-180)
13	LIB3177-033-P1-K2-D9.f2	14-3-3(HMM:2.8e-24)
14	20_3.R1010.f1	14-3-3(HMM:2.9e-180)
15	LIB23-037-Q1-E1-B5.f3	14-3-3(HMM:2e-09)
16	148_1.R1010.f2	14-3-3(HMM:3.1e-177)
17	2747674.f1	14-3-3(HMM:3.2e-11)
18	20_1.R1010.f2	14-3-3(HMM:3.2e-181)
19	936660.f2	14-3-3(HMM:3.2e-23)
20	LIB3177-009-P1-K2-E10.f1	14-3-3(HMM:3.3e-34)
21	1353_1.R1010.f3	14-3-3(HMM:3.7e-167)
22	LIB3177-003-P1-K1-A4.f3	14-3-3(HMM:4.1)
23	LIB25-074-Q1-E1-C9.f1	14-3-3(HMM:4.1e-11)
24	906111.f1	14-3-3(HMM:4.2e-09)
25	LIB24-111-Q1-E1-H3.f3	14-3-3(HMM:4e-17)
26	LIB3176-073-P1-K1-G8.f3	14-3-3(HMM:5.3e-08)
27	LIB24-100-Q1-E1-A11.f3	14-3-3(HMM:5.3e-25)
28	148_2.R1010.f1	14-3-3(HMM:5.4e-179)
29	LIB3177-050-P1-K1-F8.f2	14-3-3(HMM:5.6e-05)
30	1152_1.R1010.f2	14-3-3(HMM:5.6e-173)
31	jC-atXP74C225E18T7038d1.f2	14-3-3(HMM:5.8e-137)
32	460364.f3	14-3-3(HMM:6e-10)
33	LIB3176-055-P1-K1-H3.f1	14-3-3(HMM:7.9e-24)
34	1152_3.R1010.f3	14-3-3(HMM:8.2e-174)
35	LIB3175-053-P1-K1-F8.f2	14-3-3(HMM:9.7e-14)
36	LIB25-027-Q1-E1-A1.f1	14-3-3(HMM:9e-32)
37	38823_1.R1010.f1	ank(HMM:0.0012)
38	LIB3234-090-P1-K1-D9.f1	ank(HMM:0.0014)
39	4513_1.R1010.f1	ank(HMM:0.035)
40	4189_1.R1010.f3	ank(HMM:0.041)
41	4986_1.R1010.f2	ank(HMM:0.068)
42	11805_1.R1010.f3	ank(HMM:1.1e-07)
43	LIB24-052-Q1-E1-B5.f1	ank(HMM:1.5)
44	jC-atXLIB327401P3c07b2.f2	ank(HMM:1.7e-10)
45	16954_1.R1010.f3	ank(HMM:1e-16)
46	1643_1.R1010.f2	ank(HMM:1e-21)
47	2066_1.R1010.f2	ank(HMM:1e-21)
48	44151_1.R1010.f1	ank(HMM:2.1e-08)
49	16163_1.R1010.f1	ank(HMM:2.2e-17)
50	33294_1.R1010.f1	ank(HMM:2.3e-08)
51	jC-atXP108C153H24T7090d1.f3	ank(HMM:2.3e-08)
52	2581661.f4	ank(HMM:2.3e-10)

53	15542_1.R1010.f1	ank(HMM:2.6e-07)
54	2748147.f3	ank(HMM:2.6e-15)
55	jC-atXP108C175O12T7093d1.f2	ank(HMM:2.6e-17)
56	32724_1.R1010.f1	ank(HMM:2.7e-08)
57	133_1.R1010.f3	"ank(HMM:2e-07),btb(HMM:9.4e-05)"
58	315446.f1	ank(HMM:2e-08)
59	1643_3.R1010.f1	ank(HMM:2e-22)
60	1643_4.R1010.f1	ank(HMM:3.1e-21)
61	4734_2.R1010.f3	ank(HMM:3.1e-43)
62	5462_1.R1010.f3	ank(HMM:3.2e-07)
63	27659_1.R1010.f3	ank(HMM:3.6e-13)
64	115473_1.R1010.f4	ank(HMM:3.6e-15)
65	1517358.f2	ank(HMM:3.6e-22)
66	1643_6.R1010.f2	ank(HMM:3.6e-22)
67	31463_1.R1010.f1	ank(HMM:4.3e-09)
68	ARABL1-05-Q1-B1-C6.f1	ank(HMM:4.4e-08)
69	LIB3168-082-P1-K1-G2.f5	ank(HMM:4.5e-11)
70	1363_1.R1010.f1	ank(HMM:4.5e-22)
71	8132_1.R1010.f1	ank(HMM:5.2e-07)
72	LIB24-116-Q1-E1-B6.f1	ank(HMM:5.4e-07)
73	32109_1.R1010.f3	ank(HMM:5.5e-16)
74	496793.f2	ank(HMM:5.6e-18)
75	LIB3176-113-P2-K1-F10.f3	ank(HMM:5.7e-15)
76	482_1.R1010.f2	ank(HMM:5.8e-31)
77	6303_1.R1010.f2	ank(HMM:5.9e-24)
78	24427_2.R1010.f2	ank(HMM:6.8e-08)
79	22643_1.R1010.f2	ank(HMM:8.2e-29)
80	27727_1.R1010.f3	ank(HMM:9.3e-16)
81	2407_1.R1010.f1	ank(HMM:9.5e-19)
82	jC-atXP108C144I3T7089d1.f2	ank(HMM:9.7e-12)
83	1643_2.R1010.f3	ank(HMM:9e-23)
84	jC-atXLIB327406P3d12b2.f1	ap2-domain(HMM:0.00019)
85	LIB22-005-Q1-E1-B7.f1	ap2-domain(HMM:0.0012)
86	LIB22-061-Q1-E2-F6.f2	ap2-domain(HMM:0.0012)
87	1217112.f2	ap2-domain(HMM:0.0013)
88	2042762.f3	ap2-domain(HMM:0.0021)
89	jC-atXP123C118L9T7046d1.f6	ap2-domain(HMM:0.0041)
90	116780_2.R1010.f3	ap2-domain(HMM:0.006)
91	2218_9.R1010.f2	ap2-domain(HMM:0.0068)
92	957825.f1	ap2-domain(HMM:0.02)
93	77399_1.R1010.f1	ap2-domain(HMM:0.021)
94	935966.f1	ap2-domain(HMM:0.023)
95	LIB3176-007-P1-K1-F5.f1	ap2-domain(HMM:0.043)
96	2048257.f2	ap2-domain(HMM:0.26)
97	1082066.f2	ap2-domain(HMM:0.51)
98	413_1.R1010.f2	"ap2-domain(HMM:1.1e-24),arf(HMM:7.5),b3(HMM:2.2e-46)"
99	414_1.R1010.f3	"ap2-domain(HMM:1.1e-28),arf(HMM:5.1),b3(HMM:1.2e-46)"
100	14576_1.R1010.f2	ap2-domain(HMM:1.1e-35)
101	389_1.R1010.f2	ap2-domain(HMM:1.2e-43)

102	470_7.R1010.f2	ap2-domain(HMM:1.3e-39)
103	9451_1.R1010.f3	ap2-domain(HMM:1.4e-37)
104	387_1.R1010.f2	ap2-domain(HMM:1.4e-39)
105	957460.f3	ap2-domain(HMM:1.5e-05)
106	74978_1.R1010.f3	ap2-domain(HMM:1.5e-37)
107	LIB23-036-Q1-E1-H8.f1	ap2-domain(HMM:1.6e-09)
108	470_2.R1010.f3	ap2-domain(HMM:1.7e-42)
109	10919_1.R1010.f5	ap2-domain(HMM:1.9e-20)
110	36240_1.R1010.f2	ap2-domain(HMM:1.9e-27)
111	9415_3.R1010.f2	ap2-domain(HMM:1.9e-36)
112	2413138.f2	ap2-domain(HMM:2.1e-38)
113	388_1.R1010.f2	ap2-domain(HMM:2.1e-39)
114	385_1.R1010.f2	ap2-domain(HMM:2.1e-41)
115	jC-atXP20C113D5T7033a1.f6	ap2-domain(HMM:2.1e-41)
116	LIB3234-100-P1-K1-B11.f5	ap2-domain(HMM:2.3e-12)
117	116780_1.R1010.f2	ap2-domain(HMM:2.3e-37)
118	11322_1.R1010.f3	ap2-domain(HMM:2.4e-19)
119	8781_1.R1010.f3	ap2-domain(HMM:2.4e-39)
120	412_1.R1010.f1	ap2-domain(HMM:2.5e-41)
121	jC-atXLIB327424P2g12b2.f1	ap2-domain(HMM:2.7e-05)
122	470_1.R1010.f3	ap2-domain(HMM:2.8e-42)
123	1364_1.R1010.f2	ap2-domain(HMM:2.8e-63)
124	PLN_g1246402.f1	ap2-domain(HMM:2.9e-39)
125	LIB3177-066-P1-K1-H7.f2	ap2-domain(HMM:2e-10)
126	LIB3234-049-P1-K1-D8.f3	ap2-domain(HMM:2e-18)
127	2762444.f3	ap2-domain(HMM:2e-39)
128	77309_1.R1010.f3	ap2-domain(HMM:3.1e-22)
129	4590_2.R1010.f1	ap2-domain(HMM:3.1e-42)
130	386_1.R1010.f2	ap2-domain(HMM:3.2e-41)
131	386_2.R1010.f1	ap2-domain(HMM:3.2e-41)
132	21598_1.R1010.f2	ap2-domain(HMM:3.4e-42)
133	8451_1.R1010.f2	ap2-domain(HMM:3.5e-33)
134	7295_1.R1010.f2	ap2-domain(HMM:3.5e-37)
135	LIB3175-035-P1-K1-G5.f5	ap2-domain(HMM:3.8e-31)
136	1913_1.R1010.f2	ap2-domain(HMM:3.8e-67)
137	15669_1.R1010.f2	ap2-domain(HMM:3.9e-14)
138	4979_1.R1010.f3	ap2-domain(HMM:3.9e-30)
139	378_1.R1010.f2	ap2-domain(HMM:4.2e-38)
140	1216985.f3	ap2-domain(HMM:4.2e-41)
141	2218_5.R1010.f2	ap2-domain(HMM:4.2e-41)
142	1158470.f3	ap2-domain(HMM:4.3e-08)
143	20544_1.R1010.f2	ap2-domain(HMM:4.6e-39)
144	jC-atXLIB327438P1e09a1.f1	ap2-domain(HMM:4.7e-35)
145	LIB3168-022-P1-K1-G5.f2	ap2-domain(HMM:4.7e-40)
146	LIB3234-018-P1-K1-F10.f3	ap2-domain(HMM:5.5)
147	30840_1.R1010.f2	ap2-domain(HMM:5.5e-37)
148	7300_1.R1010.f2	ap2-domain(HMM:5.7e-37)
149	375_1.R1010.f3	ap2-domain(HMM:5.8e-38)
150	128405_1.R1010.f4	ap2-domain(HMM:5.9)
151	PLN_g3738231.f3	ap2-domain(HMM:5e-39)
152	477_1.R1010.f1	ap2-domain(HMM:6.1e-38)
153	LIB3176-113-P2-K1-C5.f2	ap2-domain(HMM:6.2e-14)
154	9415_2.R1010.f1	ap2-domain(HMM:6.2e-27)
155	935657.f3	ap2-domain(HMM:6.3e-14)

156	5895_1.R1010.f2	ap2-domain(HMM:6.5e-30)
157	PLN_g4128207.f2	ap2-domain(HMM:6.6e-39)
158	jC-atXP100C251N4T7b1.f1	ap2-domain(HMM:6e-31)
159	75807_1.R1010.f3	ap2-domain(HMM:6e-39)
160	375_2.R1010.f2	ap2-domain(HMM:7.7e-38)
161	470_8.R1010.f3	ap2-domain(HMM:7.8e-05)
162	2597552.f3	ap2-domain(HMM:8.2e-33)
163	PLN_g541772.f2	ap2-domain(HMM:8.3e-41)
164	10231_1.R1010.f2	ap2-domain(HMM:8.7e-39)
165	375_3.R1010.f2	ap2-domain(HMM:8.8e-37)
166	138198_1.R1010.f2	ap2-domain(HMM:9.7e-35)
167	2722927.f2	ap2-domain(HMM:9.9e-05)
168	LIB24-015-Q1-E1-H9.f1	"arf(HMM:0.013),iaa(HMM:4.1)"
169	LIB3168-057-P1-K1-F8.f3	"arf(HMM:1.4e-06),b3(HMM:6e-36)"
170	1604_1.R1010.f3	"arf(HMM:1.4e-275),b3(HMM:4.1e-50),iaa(HMM:8.1e-37)"
171	2121_1.R1010.f3	"arf(HMM:1.8e-263),b3(HMM:1.1e-62)"
172	LIB24-061-Q1-E1-B8.f3	arf(HMM:2.6e-08)
173	LIB24-016-Q1-E1-F8.f1	arf(HMM:2.6e-12)
174	LIB24-061-Q1-E1-A11.f2	"arf(HMM:2.9e-13),b3(HMM:1.4e-05)"
175	LIB146-023-Q1-E1-C1.f3	arf(HMM:2.9e-27)
176	25573_1.R1010.f2	arf(HMM:2e-21)
177	1665_1.R1010.f1	"arf(HMM:3.5e-278),b3(HMM:2.5e-49),iaa(HMM:1.1e-37)"
178	1572_1.R1010.f3	"arf(HMM:3.7e-284),b3(HMM:1.7e-49),iaa(HMM:3.7e-39)"
179	LIB146-005-Q1-E1-D6.f1	arf(HMM:3.7e-38)
180	jC-atXLIB327439P2d08b2.f2	arf(HMM:5.5e-19)
181	5161_1.R1010.f3	arf(HMM:6.2e-05)
182	1652_1.R1010.f2	"arf(HMM:6.6e-277),b3(HMM:8.7e-57),iaa(HMM:7.8e-41)"
183	LIB22-009-Q1-E1-D10.f2	"arf(HMM:6.9e-11),b3(HMM:2.3e-23)"
184	1571_1.R1010.f2	"arf(HMM:7.5e-277),b3(HMM:9.9e-56),iaa(HMM:1.9e-41)"
185	2103_1.R1010.f2	"arf(HMM:9.5e-270),b3(HMM:3.2e-61),iaa(HMM:2.4e-46)"
186	25949_1.R1010.f1	arid(HMM:0.45)
187	45225_1.R1010.f1	arid(HMM:1.3e-05)
188	LIB25-100-Q1-E1-A9.f4	arid(HMM:1.5e-05)
189	2759573.f1	arid(HMM:9.5e-05)
190	jC-atXP101CE1H11T7076b1.f3	athook(HMM:0.015)
191	LIB3176-050-P1-K1-H11.f1	athook(HMM:0.018)
192	2597674.f3	athook(HMM:0.021)

193	jC-atX22079Q1E1B12a1.f1	b3(HMM:0.45)
194	PLN_g3582519.f3	b3(HMM:1.6e-69)
195	458_1.R1010.f1	b3(HMM:5.5e-74)
196	LIB3168-086-P1-K1-G10.f4	bah(HMM:0.0024)
197	31695_1.R1010.f3	bah(HMM:2.9e-21)
198	PLN_g2766712.f1	"bah(HMM:3.4e-29),chromo(HMM:0.00019)"
199	30519_1.R1010.f1	bah(HMM:4.1e-08)
200	874_1.R1010.f1	bah(HMM:5.1e-103)
201	1769_1.R1010.f2	bpf-1(HMM:0)
202	108720_1.R1010.f4	bpf-1(HMM:1.2e-09)
203	17063_1.R1010.f2	bpf-1(HMM:1.9e-27)
204	92045_1.R1010.f5	bpf-1(HMM:5.6e-31)
205	LIB25-066-Q1-E1-H6.f3	bpf-1(HMM:5e-19)
206	31960_1.R1010.f3	bromodomain(HMM:0.00075)
207	56529_1.R1010.f1	bromodomain(HMM:1.4e-12)
208	1654_1.R1010.f3	bromodomain(HMM:3.3e-32)
209	LIB3176-010-P1-K1-F5.f2	bromodomain(HMM:4.6)
210	jC-atXLIB327414P4f03b2.f2	bromodomain(HMM:4e-33)
211	65236_1.R1010.f4	bromodomain(HMM:9.1e-08)
212	LIB3234-085-Q1-K1-G6.f4	btb(HMM:0.00012)
213	48681_1.R1010.f2	btb(HMM:0.0016)
214	jC-atXP31C146F3T7d2.f3	btb(HMM:0.0022)
215	5892_2.R1010.f1	btb(HMM:0.0035)
216	jC-atXLIB327402P1f07b1.f3	btb(HMM:0.01)
217	LIB25-035-Q1-E1-B3.f1	btb(HMM:0.011)
218	LIB3177-078-P1-K1-F4.f3	btb(HMM:0.019)
219	LIB24-072-Q1-E1-G1.f3	btb(HMM:0.027)
220	11482_1.R1010.f2	btb(HMM:1.1e-05)
221	7245_1.R1010.f3	btb(HMM:2e-12)
222	29152_2.R1010.f2	btb(HMM:3.1e-19)
223	2545_1.R1010.f3	btb(HMM:3.7e-17)
224	28612_1.R1010.f1	btb(HMM:3e-08)
225	LIB3234-043-P1-K1-C12.f3	btb(HMM:4.1)
226	68549_2.R1010.f5	btb(HMM:4.2e-16)
227	5877_2.R1010.f3	btb(HMM:4.3e-10)
228	LIB25-113-Q1-E1-F12.f3	btb(HMM:4.6e-06)
229	9824_1.R1010.f2	bzip(HMM:0.00027)
230	PLN_g903687.f1	bzip(HMM:0.00076)
231	11510_1.R1010.f2	bzip(HMM:0.0011)
232	PLN_g414614.f3	bzip(HMM:0.0013)
233	742_1.R1010.f3	bzip(HMM:0.0026)
234	PLN_g304112.f1	bzip(HMM:0.0047)
235	5714_2.R1010.f2	bzip(HMM:0.013)
236	78339_1.R1010.f3	bzip(HMM:1.1e-09)
237	123173_1.R1010.f3	bzip(HMM:1.2e-08)
238	1572_2.R1010.f4	bzip(HMM:1.5e-10)
239	75128_1.R1010.f6	bzip(HMM:1.6e-05)
240	26232_1.R1010.f3	bzip(HMM:1.6e-14)
241	jC-atX25035Q1E1D03a1.f4	bzip(HMM:1.7e-05)
242	61046_1.R1010.f3	bzip(HMM:1.9e-11)
243	29897_1.R1010.f3	bzip(HMM:2.1e-13)
244	12984_1.R1010.f1	bzip(HMM:2.6e-12)
245	1054_1.R1010.f1	bzip(HMM:3.2e-05)

246	LIB3177-079-P1-K1-A10.f3	bzip(HMM:3.3e-09)
247	1476_1.R1010.f3	bzip(HMM:3.3e-15)
248	76_1.R1010.f2	bzip(HMM:3.3e-15)
249	550266.f1	bzip(HMM:3.3e-22)
250	641_1.R1010.f3	bzip(HMM:3.3e-22)
251	23422_1.R1010.f3	bzip(HMM:3.8e-14)
252	11113_1.R1010.f1	bzip(HMM:4.5e-16)
253	363_1.R1010.f3	bzip(HMM:4.9e-17)
254	1251_1.R1010.f2	bzip(HMM:4e-05)
255	2733320.f1	bzip(HMM:4e-05)
256	LIB3234-037-P1-K1-B12.f3	bzip(HMM:4e-07)
257	12984_2.R1010.f3	bzip(HMM:5.1e-12)
258	120237_1.R1010.f1	bzip(HMM:5.6e-14)
259	640_1.R1010.f1	bzip(HMM:5.6e-21)
260	639_1.R1010.f1	bzip(HMM:5.8e-24)
261	70681_1.R1010.f2	bzip(HMM:6.2e-09)
262	5890_1.R1010.f1	bzip(HMM:6e-12)
263	5714_1.R1010.f1	bzip(HMM:8.4e-12)
264	jC-atXLIB327408P4a12b1.f3	bzip(HMM:9.3e-07)
265	30010_1.R1010.f1	bzip(HMM:9.5e-06)
266	24151_1.R1010.f2	"cbfd_nfyb_hmf(HMM:0.053),hi stone(HMM:1e-50)"
267	24151_2.R1010.f2	"cbfd_nfyb_hmf(HMM:0.053),hi stone(HMM:4.1e-50)"
268	9295_1.R1010.f2	"cbfd_nfyb_hmf(HMM:0.074),hi stone(HMM:3.1e-47)"
269	LIB3176-111-P1-K1-D7.f1	"cbfd_nfyb_hmf(HMM:0.078),hi stone(HMM:4e-49)"
270	751_1.R1010.f1	cbfd_nfyb_hmf(HMM:1.2e-23)
271	750_1.R1010.f1	cbfd_nfyb_hmf(HMM:1.3e-21)
272	750_2.R1010.f2	cbfd_nfyb_hmf(HMM:1.3e-21)
273	17669_1.R1010.f2	cbfd_nfyb_hmf(HMM:1.6e-29)
274	748_1.R1010.f1	cbfd_nfyb_hmf(HMM:1e-37)
275	749_1.R1010.f3	cbfd_nfyb_hmf(HMM:4.9e-39)
276	54638_1.R1010.f3	cbfd_nfyb_hmf(HMM:5.7e-22)
277	818_1.R1010.f1	cbfd_nfyb_hmf(HMM:6.3e-30)
278	LIB3176-087-P1-K1-A8.f3	cbfd_nfyb_hmf(HMM:6e-09)
279	4774_1.R1010.f2	cbfd_nfyb_hmf(HMM:8e-23)
280	LIB22-030-Q1-E1-F4.f2	chromo(HMM:0.00065)
281	8344_1.R1010.f1	chromo(HMM:4.6e-19)
282	1537_1.R1010.f3	"csd(HMM:1.3e-21),zf- cchc(HMM:2.2e-14)"
283	38643_1.R1010.f1	csd(HMM:3.2e-19)
284	1360_1.R1010.f1	"csd(HMM:4.5e-22),zf- cchc(HMM:2.2e-14)"
285	905705.f3	csd(HMM:5.3e-21)
286	22291_1.R1010.f2	csd(HMM:6.8e-23)
287	jC-atXLIB327425P3h08b1.f3	dof(HMM:0.13)
288	LIB3175-077-P1-K1-C12.f3	dof(HMM:0.64)
289	jC-atXLIB327417P2a09b1.f3	dof(HMM:1.2e-35)
290	424_1.R1010.f2	dof(HMM:1.2e-36).f
291	16909_1.R1010.f1	dof(HMM:1.4e-33)
292	jC-atXLIB327410P4h02a1.f3	dof(HMM:1.4e-34)
293	PLN_g33386547.f1	dof(HMM:1.4e-34)

344	934014.f2	gld-tea(HMM:2.3e-31)
345	18366_1.R1010.f3	gld-tea(HMM:2.3e-32)
346	22389_1.R1010.f1	gld-tea(HMM:2.4e-30)
347	2759436.f2	gld-tea(HMM:2.6)
348	634463.f2	gld-tea(HMM:2.6e-30)
349	LIB22-078-Q1-E1-G2.f3	gld-tea(HMM:3.3e-41)
350	52617_1.R1010.f1	gld-tea(HMM:5.4e-37)
351	LIB24-005-Q1-E1-F2.f2	gld-tea(HMM:5.8e-06)
352	266_1.R1010.f1	"gld-tea(HMM:6.1e-43),response_reg(HMM:5.3e-34)"
353	1401_1.R1010.f2	gld-tea(HMM:6.4e-38)
354	21599_1.R1010.f1	gld-tea(HMM:8.2e-07)
355	26342_1.R1010.f3	gld-tea(HMM:8.4e-23)
356	30703_1.R1010.f1	gld-tea(HMM:8.5e-28)
357	LIB3176-021-P1-K1-G10.f1	gld-tea(HMM:8.7e-10)
358	34019_1.R1010.f2	gld-tea(HMM:8.8e-38)
359	PLN_g3549640.f3	"gld-tea(HMM:8.8e-38),response_reg(HMM:3.8e-38)"
360	jC-atXP86CG9E6T7d2.f3	"gld-tea(HMM:8.9e-19),response_reg(HMM:8.4e-36)"
361	102479_1.R1010.f1	gld-tea(HMM:9.2e-17)
362	LIB3176-085-P1-K1-E8.f3	hist_deacetyl(HMM:0.00075)
363	78223_1.R1010.f4	hist_deacetyl(HMM:0.0019)
364	jC-atXP118C145L23092d2.f1	hist_deacetyl(HMM:0.012)
365	2764107.f3	hist_deacetyl(HMM:0.25)
366	17470_1.R1010.f2	hist_deacetyl(HMM:1.4e-35)
367	6666_1.R1010.f2	hist_deacetyl(HMM:1.6e-16)
368	35178_1.R1010.f3	hist_deacetyl(HMM:1.7e-11)
369	1576_1.R1010.f2	hist_deacetyl(HMM:4.5e-181)
370	LIB3234-041-P1-K1-H9.f3	hist_deacetyl(HMM:7.7e-12)
371	18274_1.R1010.f1	hist_deacetyl(HMM:8.2e-18)
372	jC-aLIB327434P1h10a1.f5	hist_deacetyl(HMM:9.3e-16)
373	2758327.f1	histone(HMM:0.0002)
374	jC-aIX24124Q1E1H01b1.f3	histone(HMM:0.00055)
375	jC-atX25021Q1E1G06a1.f5	histone(HMM:0.003)
376	LIB3176-119-P2-K1-D9.f2	histone(HMM:0.0039)
377	2733927.f2	histone(HMM:0.026)
378	LIB24-135-Q1-E1-G8.f1	histone(HMM:0.05)
379	jC-atXLIB327420P2a07a2.f4	histone(HMM:0.064)
380	2597368.f1	histone(HMM:0.084)
381	jC-atXLIB327429P4a06b2.f3	histone(HMM:0.7)
382	16709.f3	histone(HMM:0.85)
383	27124_3.R1010.f1	histone(HMM:1.1)
384	936530.f1	histone(HMM:1.1)
385	716_5.R1010.f2	histone(HMM:1.1e-46)
386	LIB25-044-Q1-E1-B10.f1	histone(HMM:1.2)
387	22083_3.R1010.f3	histone(HMM:1.2e-16)
388	LIB3175-017-P1-K1-E3.f3	histone(HMM:1.2e-24)
389	2612_1.R1010.f3	histone(HMM:1.2e-43)
390	LIB3177-019-P1-K2-B11.f2	histone(HMM:1.3e-07)
391	715_1.R1010.f1	histone(HMM:1.3e-43)

392	68_1.R1010.f3	histone(HMM:1.3e-46)
393	7751_1.R1010.f2	histone(HMM:1.3e-46)
394	716_2.R1010.f2	histone(HMM:1.4e-31)
395	8542_4.R1010.f2	histone(HMM:1.4e-34)
396	8542_2.R1010.f3	histone(HMM:1.5e-12)
397	1053603.f3	histone(HMM:1.6e-27)
398	11560_1.R1010.f3	histone(HMM:1e-18)
399	13777_1.R1010.f1	histone(HMM:1e-18)
400	13777_2.R1010.f2	histone(HMM:1e-18)
401	22083_1.R1010.f3	histone(HMM:1e-18)
402	22083_2.R1010.f1	histone(HMM:1e-18)
403	22083_4.R1010.f1	histone(HMM:1e-18)
404	LIB3176-057-P1-K1-D11.f1	histone(HMM:1e-46)
405	716_3.R1010.f3	histone(HMM:1e-48)
406	jC-atXP15C106F1T7014a1.f5	histone(HMM:1e-48)
407	10163_3.R1010.f1	histone(HMM:2.1e-29)
408	LIB24-095-Q1-E1-F3.f3	histone(HMM:2.3e-07)
409	68_6.R1010.f3	histone(HMM:2.4e-28)
410	11215_1.R1010.f3	histone(HMM:2.5e-42)
411	716_1.R1010.f2	histone(HMM:2.5e-48)
412	jC-atXLIB327420P2a03a2.f6	histone(HMM:2.8e-08)
413	LIB3176-038-P1-K1-A3.f3	histone(HMM:2.8e-40)
414	LIB3175-021-P1-K1-D3.f1	histone(HMM:3.2e-24)
415	LIB3176-027-P1-K1-F11.f2	histone(HMM:3.8e-46)
416	862_1.R1010.f1	histone(HMM:3.9e-39)
417	1217149.f2	histone(HMM:3e-27)
418	LIB3176-118-P2-K1-B11.f1	histone(HMM:3e-39)
419	LIB25-036-Q1-E1-B4.f3	histone(HMM:4.2e-14)
420	LIB25-057-Q1-E1-E3.f2	histone(HMM:4.2e-14)
421	jC-atXLIB327427P4b02a2.f5	histone(HMM:4.7e-14)
422	77_6.R1010.f1	histone(HMM:4.8e-47)
423	8542_1.R1010.f3	histone(HMM:4.8e-47)
424	8542_3.R1010.f2	histone(HMM:4.8e-47)
425	jC-atXLIB327407P1a06b2.f3	histone(HMM:4.9e-05)
426	68_5.R1010.f2	histone(HMM:4e-22)
427	LIB3175-015-P1-K1-E7.f3	histone(HMM:5.1e-15)
428	LIB25-102-Q1-E1-G8.f1	histone(HMM:5.1e-17)
429	716_6.R1010.f2	histone(HMM:5.1e-45)
430	27124_4.R1010.f3	histone(HMM:5.3e-13)
431	LIB3177-013-P1-K2-F8.f3	histone(HMM:5.3e-19)
432	8397_1.R1010.f1	histone(HMM:5.3e-52)
433	LIB25-104-Q1-E1-C11.f3	histone(HMM:5.4e-08)
434	LIB3177-019-P1-K1-B5.f2	histone(HMM:5.8)
435	10163_1.R1010.f3	histone(HMM:5.8e-50)
436	LIB24-125-Q1-E1-F5.f3	histone(HMM:6.1e-05)
437	LIB3175-033-P1-K1-A2.f1	histone(HMM:6.2e-14)
438	17255_1.R1010.f3	histone(HMM:6.5e-37)
439	jC-atXP96CH2D3T7b1.f1	histone(HMM:6.9e-44)
440	LIB3176-033-P1-K1-B1.f1	histone(HMM:7.3e-25)
441	153419_1.R1010.f3	histone(HMM:7.6e-35)
442	LIB3168-032-P1-K1-D3.f6	histone(HMM:7.8e-14)
443	13669_1.R1010.f3	histone(HMM:8.2e-07)
444	716_4.R1010.f2	histone(HMM:8.3e-26)
445	2733879.f3	histone(HMM:8.4e-11)

446	LIB3177-096-P1-K1-A8.f2	histone(HMM:8.8e-19)
447	27124_1.R1010.f3	histone(HMM:9.5e-50)
448	2758283.f1	histone(HMM:9.7e-13)
449	31420_1.R1010.f3	hlh(HMM:0.0018)
450	LIB3176-112-P1-K1-G6.f1	hlh(HMM:0.0038)
451	jC-atXB810f2.f5	hlh(HMM:0.0055)
452	17198_1.R1010.f2	hlh(HMM:0.008)
453	87116_1.R1010.f4	hlh(HMM:0.013)
454	117793_1.R1010.f1	hlh(HMM:0.019)
455	119888_1.R1010.f1	hlh(HMM:0.025)
456	71697_1.R1010.f3	hlh(HMM:0.04)
457	116704_1.R1010.f3	hlh(HMM:0.048)
458	jC-atXP104CE10B1T7b1.f3	hlh(HMM:0.08)
459	LIB24-109-Q1-E1-B3.f2	hlh(HMM:0.092)
460	35834_1.R1010.f3	hlh(HMM:0.13)
461	20469_1.R1010.f2	hlh(HMM:1.1e-07)
462	6545_1.R1010.f2	hlh(HMM:1.2e-12)
463	72703_1.R1010.f1	hlh(HMM:1.2e-14)
464	27829_1.R1010.f3	hlh(HMM:1.3e-09)
465	46829_2.R1010.f1	hlh(HMM:1.5e-07)
466	33631_1.R1010.f2	hlh(HMM:2.3e-07)
467	53493_1.R1010.f2	hlh(HMM:2.3e-12)
468	4019_2.R1010.f2	hlh(HMM:2.6e-05)
469	11026_1.R1010.f1	hlh(HMM:2.7e-13)
470	10361_1.R1010.f3	hlh(HMM:2.8e-06)
471	34071_1.R1010.f1	hlh(HMM:3.1e-09)
472	115339_1.R1010.f3	hlh(HMM:3.5e-09)
473	115339_2.R1010.f2	hlh(HMM:3.5e-09)
474	1520719.f2	hlh(HMM:3.5e-09)
475	1622_1.R1010.f1	hlh(HMM:3.5e-15)
476	38578_1.R1010.f6	hlh(HMM:3.7e-09)
477	LIB24-131-Q1-E1-G6.f1	hlh(HMM:3e-07)
478	349_1.R1010.f1	hlh(HMM:4.4e-15)
479	634586.f2	hlh(HMM:6.7e-15)
480	4766_1.R1010.f3	hlh(HMM:7.1e-06)
481	4019_3.R1010.f2	hlh(HMM:7.3e-07)
482	ARABL1-044-Q1-E1-D5.f4	hlh(HMM:7.8e-05)
483	jC-atXP123C118M3T7086a1.f4	hlh(HMM:7.9e-12)
484	LIB3234-048-P1-K1-B10.f3	hlh(HMM:7e-05)
485	1828_1.R1010.f1	hlh(HMM:8.7e-17)
486	32520_1.R1010.f1	hlh(HMM:8.8e-10)
487	jC-atXB810a2.f5	hlh(HMM:9.3)
488	501883.f5	hlh(HMM:9.7)
489	80254_1.R1010.f4	hmg_box(HMM:0.0019)
490	jC-aIXLIB327436P3d04b1.f2	hmg_box(HMM:0.0021)
491	jC-atXP26C128I4T7007a1.f6	hmg_box(HMM:0.0023)
492	jC-atXP26C126I14T7089a1.f6	hmg_box(HMM:0.0031)
493	jC-atXP53C184I7T7093d1.f2	hmg_box(HMM:0.0039)
494	LIB3176-115-P2-K1-H1.f1	hmg_box(HMM:0.0078)
495	jC-atXP26C126F19T7049a1.f6	hmg_box(HMM:0.015)
496	16353_1.R1010.f1	hmg_box(HMM:0.016)
497	879_1.R1010.f3	hmg_box(HMM:1.1e-25)
498	876_10.R1010.f2	hmg_box(HMM:1.2e-17)
499	jC-atXP26C128L23T7016a1.f4	hmg_box(HMM:1.6e-09)

500	907193.f2	hmg_box(HMM:2.5e-08)
501	116866_1.R1010.f3	hmg_box(HMM:2.5e-13)
502	877_3.R1010.f2	hmg_box(HMM:2e-28)
503	876_5.R1010.f3	hmg_box(HMM:3.3e-31)
504	7619_1.R1010.f1	hmg_box(HMM:3.8e-06)
505	875_1.R1010.f2	hmg_box(HMM:3.8e-30)
506	876_1.R1010.f2	hmg_box(HMM:3.8e-31)
507	880_1.R1010.f2	hmg_box(HMM:3.9e-29)
508	jC-atXP26C124O14T7020a1.f5	hmg_box(HMM:4.2)
509	jC-atXP96CH2C4T7b1.f6	hmg_box(HMM:4.7e-23)
510	877_1.R1010.f3	hmg_box(HMM:5.2e-33)
511	877_2.R1010.f1	hmg_box(HMM:5.2e-33)
512	jC-atXP26C126K18T7090a1.f4	hmg_box(HMM:5.4e-23)
513	jC-atXP26C124N23T7004a1.f6	hmg_box(HMM:6.4e-08)
514	859_1.R1010.f3	hmg_box(HMM:8e-20)
515	903_1.R1010.f2	"homeobox(HMM:0.00014),phd(HMM:4.1e-14)"
516	1938_1.R1010.f1	"homeobox(HMM:0.00023),homeobox_knox3(5.8e-36)"
517	LIB3176-029-P1-K1-C6.f3	homeobox(HMM:0.00066)
518	515609.f1	"homeobox(HMM:0.0048),homeobox_knox3(9.0e-13),homeobox_mat(0.0006)"
519	990_1.R1010.f2	"homeobox(HMM:0.008),homeobox_knox3(7.1e-22)"
520	992_1.R1010.f2	"homeobox(HMM:0.0082),homeobox_knox3(1.7e-21)"
521	1362_1.R1010.f3	"homeobox(HMM:0.0089),homeobox_knox3(1.2e-12)"
522	991_1.R1010.f1	"homeobox(HMM:0.011),homeobox_knox3(2.4e-22)"
523	906539.f2	"homeobox(HMM:0.016),homeobox_knox3(6.5e-23)"
524	jC-atXLIB327408P2c09a1.f6	"homeobox(HMM:0.036),homeobox_knox3(3.0e-10)"
525	713_1.R1010.f1	"homeobox(HMM:0.036),homeobox_knox3(4.5e-10)"
526	PLN_g424105.f3	homeobox(HMM:0.054)
527	20074_1.R1010.f2	homeobox(HMM:0.13)
528	987718.f2	homeobox(HMM:0.89)
529	24020_1.R1010.f3	homeobox(HMM:1.1e-16)
530	304_1.R1010.f1	homeobox(HMM:1.2e-17)
531	13184_1.R1010.f5	homeobox(HMM:1.2e-18)
532	906459.f3	homeobox(HMM:1.2e-18)
533	523_1.R1010.f3	homeobox(HMM:1.4e-19)
534	1945_1.R1010.f3	homeobox(HMM:1.5e-17)
535	786_1.R1010.f2	homeobox(HMM:1.6e-20)
536	jC-atXP65C208D10T7085d1.f2	homeobox(HMM:1.6e-20)
537	1548_2.R1010.f1	homeobox(HMM:1.9e-14)
538	LIB35-011-Q1-E1-H5.f3	homeobox(HMM:2.1e-08)
539	16351_1.R1010.f2	homeobox(HMM:2.3e-18)
540	PLN_g1694712.f1	homeobox(HMM:2.6e-15)
541	526_1.R1010.f3	"homeobox(HMM:2.7e-05),homeobox_knox3(1.0e-32)"

542	524_2.R1010.f2	homeobox(HMM:2.9e-11)
543	12540_1.R1010.f1	homeobox(HMM:2e-15)
544	1517240.f2	homeobox(HMM:3.4e-14)
545	787_6.R1010.f1	homeobox(HMM:3.5e-19)
546	PLN_g16333.f1	homeobox(HMM:3.5e-19)
547	PLN_g16325.f1	"homeobox(HMM:4.2e-05),phd(HMM:5.4e-14)"
548	786_5.R1010.f2	homeobox(HMM:4.2e-11)
549	9463_1.R1010.f1	homeobox(HMM:4.3e-13)
550	307_1.R1010.f1	homeobox(HMM:4.3e-15)
551	525_1.R1010.f3	homeobox(HMM:4.6e-18)
552	6707_1.R1010.f3	homeobox(HMM:4.7)
553	524_1.R1010.f3	homeobox(HMM:4.8e-19)
554	69_1.R1010.f2	homeobox(HMM:4e-16)
555	PLN_g16178.f1	homeobox(HMM:4e-16)
556	1433_1.R1010.f1	homeobox(HMM:5.1e-20)
557	306_1.R1010.f1	homeobox(HMM:5.5e-15)
558	305_1.R1010.f2	homeobox(HMM:6.4e-15)
559	63323_1.R1010.f1	homeobox(HMM:7.7e-18)
560	786_3.R1010.f1	homeobox(HMM:7.8e-16)
561	jC-atXP112C132D23T7a1.f4	homeobox(HMM:8.7e-14)
562	2759253.f6	hsf_dna-bind(HMM:0.28)
563	2996_1.R1010.f2	hsf_dna-bind(HMM:1.1e-22)
564	944_1.R1010.f1	hsf_dna-bind(HMM:1.2e-65)
565	119770_1.R1010.f1	hsf_dna-bind(HMM:1.5e-39)
566	jC-atXP124C125H21T7d1.f6	hsf_dna-bind(HMM:1.6e-11)
567	13823_1.R1010.f3	hsf_dna-bind(HMM:1e-36)
568	268_1.R1010.f1	hsf_dna-bind(HMM:2.6e-98)
569	PLN_g3256067.f1	hsf_dna-bind(HMM:3.3e-89)
570	5332_1.R1010.f3	hsf_dna-bind(HMM:6.4e-39)
571	30824_1.R1010.f2	hsf_dna-bind(HMM:8.1e-52)
572	957701.f2	hsf_dna-bind(HMM:9.9e-06)
573	32489_1.R1010.f3	hsf_dna-bind(HMM:9e-12)
574	11068_1.R1010.f2	iaa(HMM:0.0001)
575	67079_1.R1010.f5	iaa(HMM:0.00017)
576	jC-atXP66C210I12T7005a1.f4	iaa(HMM:0.0002)
577	2122_2.R1010.f2	iaa(HMM:0.00027)
578	jC-atXLIB327433P2a08a1.f6	iaa(HMM:0.00032)
579	18819_1.R1010.f1	iaa(HMM:0.00095)
580	80560_1.R1010.f4	iaa(HMM:0.0062)
581	4542_1.R1010.f3	iaa(HMM:0.034)
582	2581617.f6	iaa(HMM:0.041)
583	ARABL1-027-Q1-B1-E5.f1	iaa(HMM:0.068)
584	623623.f5	iaa(HMM:0.083)
585	1829_1.R1010.f2	iaa(HMM:1.1e-51)
586	25194_1.R1010.f2	iaa(HMM:1.2e-08)
587	183_2.R1010.f3	iaa(HMM:1.4e-54)
588	LIB3177-097-P1-K1-D6.f3	iaa(HMM:1.5e-15)
589	1980_1.R1010.f3	iaa(HMM:1.5e-69)
590	123277_1.R1010.f1	iaa(HMM:1.6e-19)
591	1827_1.R1010.f2	iaa(HMM:1.6e-68)
592	PLN_g16198.f1	iaa(HMM:1.7e-51)
593	LIB3176-041-P1-K1-A5.f3	iaa(HMM:1.9e-15)
594	2122_1.R1010.f3	iaa(HMM:1e-45)

595	jC-atXLIB327412P4c02b1.f3	iaa(HMM:1e-45)
596	45287_1.R1010.f1	iaa(HMM:1e-51)
597	jC-atXP4C88I23T7076a1.f6	iaa(HMM:2.1e-28)
598	PLN_g972932.f1	iaa(HMM:2.6e-09)
599	2581664.f6	iaa(HMM:3.1e-21)
600	78392_1.R1010.f4	iaa(HMM:3.1e-61)
601	jC-atXLIB327411P1f02a1.f5	iaa(HMM:3.4e-44)
602	183_3.R1010.f1	iaa(HMM:3.4e-58)
603	25194_2.R1010.f3	iaa(HMM:3.5e-45)
604	jC-atXP60C198O12T7040d1.f1	iaa(HMM:4.3e-12)
605	59298_1.R1010.f3	iaa(HMM:4.4e-18)
606	61018_1.R1010.f1	iaa(HMM:4.7e-07)
607	jC-atXP71C222G9T7s2.f5	iaa(HMM:6.1e-05)
608	23678_1.R1010.f2	iaa(HMM:6.9e-69)
609	210_1.R1010.f3	iaa(HMM:6e-65)
610	54_1.R1010.f2	iaa(HMM:7.1e-61)
611	jC-atXLIB327414P2b04a1.f4	iaa(HMM:7.7e-05)
612	8884_1.R1010.f3	iaa(HMM:9.3e-66)
613	LIB3177-048-P1-K1-C12.f1	iaa(HMM:9.8e-10)
614	LIB24-080-Q1-E1-D11.f1	ibr(HMM:6.6e-05)
615	906045.f2	k-box(HMM:0.0013)
616	906457.f1	"k-box(HMM:0.0081),srf- tf(HMM:2.5e-16)"
617	103229_2.R1010.f5	k-box(HMM:1.3e-23)
618	PLN_g3719214.f3	"k-box(HMM:1.3e-23),srf- tf(HMM:5.9e-34)"
619	PLN_g1737494.f1	"k-box(HMM:1.5e-32),srf- tf(HMM:1.7e-37)"
620	1917_1.R1010.f3	"k-box(HMM:1.5e-37),srf- tf(HMM:1.3e-37)"
621	jC-atX22033Q1E2A09a1.f4	k-box(HMM:1.6)
622	1583_1.R1010.f1	"k-box(HMM:1.6e-39),srf- tf(HMM:7.5e-38)"
623	508_1.R1010.f2	"k-box(HMM:1.6e-42),srf- tf(HMM:8.5e-37)"
624	738_1.R1010.f2	"k-box(HMM:1.7e-41),srf- tf(HMM:7.5e-38)"
625	740_3.R1010.f3	"k-box(HMM:1.8e-06),srf- tf(HMM:5.1e-36)"
626	PLN_g1019924.f2	"k-box(HMM:1.9e-38),srf- tf(HMM:2.9e-38)"
627	871_1.R1010.f2	"k-box(HMM:1e-28),srf- tf(HMM:1.1e-33)"
628	752_1.R1010.f2	"k-box(HMM:1e-28),srf- tf(HMM:2.4e-37)"
629	740_2.R1010.f2	"k-box(HMM:2.1e-15),srf- tf(HMM:5.1e-36)"
630	8965_1.R1010.f2	"k-box(HMM:2.2e-13),srf- tf(HMM:7.6e-36)"
631	1351_1.R1010.f3	"k-box(HMM:3.4e-41),srf- tf(HMM:2.8e-37)"
632	906325.f3	k-box(HMM:3.6e-18)
633	PLN_g862641.f2	"k-box(HMM:3.6e-32),srf- tf(HMM:1.8e-35)"

634	2747387.f1	"k-box(HMM:4.5),srf- tf(HMM:1.1e-33)"
635	1216678.f1	k-box(HMM:5.1e-15)
636	1871_1.R1010.f2	"k-box(HMM:5.2e-11),srf- tf(HMM:5.1e-32)"
637	740_1.R1010.f1	"k-box(HMM:5.6e-43),srf- tf(HMM:5.6e-36)"
638	1919_1.R1010.f1	"k-box(HMM:5e-24),srf- tf(HMM:2.6e-32)"
639	2747374.f1	"k-box(HMM:6.2),srf- tf(HMM:5e-37)"
640	504_1.R1010.f1	"k-box(HMM:6.7e-25),srf- tf(HMM:5.5e-36)"
641	119869_1.R1010.f2	k-box(HMM:6.9e-06)
642	jC-atXLIB327408P1d08b1.f3	"k-box(HMM:6.9e-15),srf- tf(HMM:8.1e-35)"
643	739_1.R1010.f2	"k-box(HMM:7.7e-40),srf- tf(HMM:1.1e-37)"
644	8965_3.R1010.f2	k-box(HMM:8.5e-13)
645	97662_1.R1010.f5	lim(HMM:0.0017)
646	1167_2.R1010.f3	lim(HMM:0.063)
647	32106_1.R1010.f2	lim(HMM:0.092)
648	13793_1.R1010.f1	lim(HMM:1.5e-33)
649	32106_2.R1010.f3	lim(HMM:1.7e-16)
650	50585_1.R1010.f2	lim(HMM:1.8e-16)
651	LIB3176-036-P1-K1-E4.f3	lim(HMM:2.2e-10)
652	1167_3.R1010.f3	lim(HMM:2.5e-15)
653	19353_2.R1010.f1	lim(HMM:3.3e-14).f
654	LIB22-059-Q1-E1-H4.f2	lim(HMM:3.4)
655	6243_1.R1010.f2	lim(HMM:4.1e-35)
656	1167_1.R1010.f2	lim(HMM:8.3e-35)
657	2763256.f1	linker_histone(HMM:0.00034)
658	LIB3176-036-P1-K1-H7.f3	linker_histone(HMM:0.00078)
659	11718_17.R1010.f1	linker_histone(HMM:0.006)
660	697_2.R1010.f2	linker_histone(HMM:0.01)
661	17727_3.R1010.f2	linker_histone(HMM:1.6e-06)
662	935999.f3	linker_histone(HMM:1.6e-28)
663	17727_2.R1010.f1	linker_histone(HMM:1.8e-10)
664	4256_1.R1010.f3	linker_histone(HMM:3.3e-22)
665	67_1.R1010.f2	linker_histone(HMM:3.3e-37)
666	127_1.R1010.f2	linker_histone(HMM:3e-22)
667	697_1.R1010.f3	linker_histone(HMM:4e-35)
668	jC-atXLIB327426P2e12b1.f1	linker_histone(HMM:5.5e-24)
669	jC-atXP79C238C1T7d2.f1	linker_histone(HMM:6.3e-15)
670	128_1.R1010.f3	linker_histone(HMM:7.8e-29)
671	128_3.R1010.f2	linker_histone(HMM:7.8e-29)
672	398632.f3	myb_dna- binding(HMM:0.00026)
673	19696_1.R1010.f3	myb_dna- binding(HMM:0.00029)
674	LIB23-041-Q1-E1-G1.f2	myb_dna- binding(HMM:0.00031)
675	51036_2.R1010.f2	myb_dna- binding(HMM:0.00038)

676	LIB3175-043-P1-K1-A3.f1	myb_dna-binding(HMM:0.00042)
677	6718_1.R1010.f1	myb_dna-binding(HMM:0.00053)
678	29160_1.R1010.f3	myb_dna-binding(HMM:0.00094)
679	LIB23-003-Q1-E1-C10.f2	myb_dna-binding(HMM:0.0012)
680	22627_1.R1010.f3	myb_dna-binding(HMM:0.0013)
681	16833.f4	myb_dna-binding(HMM:0.0015)
682	118469_1.R1010.f3	myb_dna-binding(HMM:0.0021)
683	2764125.f2	myb_dna-binding(HMM:0.0025)
684	19235_1.R1010.f3	myb_dna-binding(HMM:0.0028)
685	LIB3168-051-P1-K1-E4.f6	myb_dna-binding(HMM:0.0082)
686	116942_1.R1010.f2	myb_dna-binding(HMM:0.027)
687	LIB3175-034-P1-K1-A12.f5	myb_dna-binding(HMM:0.054)
688	59403_2.R1010.f3	myb_dna-binding(HMM:0.063)
689	70528_1.R1010.f1	myb_dna-binding(HMM:0.14)
690	LIB146-030-Q1-K1-B6.f5	myb_dna-binding(HMM:0.14)
691	906292.f2	myb_dna-binding(HMM:0.65)
692	338_2.R1010.f1	myb_dna-binding(HMM:0.85)
693	2748969.f2	myb_dna-binding(HMM:0.87)
694	PLN_g1495252.f1	myb_dna-binding(HMM:1.1e-46)
695	LIB23-037-Q1-E1-H11.f1	myb_dna-binding(HMM:1.2e-18)
696	PLN_g455462.f1	myb_dna-binding(HMM:1.2e-39)
697	PLN_g217858.f1	myb_dna-binding(HMM:1.2e-41)
698	PLN_g1254994.f1	myb_dna-binding(HMM:1.3e-41)
699	21100_1.R1010.f2	myb_dna-binding(HMM:1.3e-42)
700	337_1.R1010.f1	myb_dna-binding(HMM:1.3e-44)
701	339_1.R1010.f2	myb_dna-binding(HMM:1.3e-44)
702	LIB3168-071-P1-K1-C6.f2	myb_dna-binding(HMM:1.4e-09)
703	22848_1.R1010.f1	myb_dna-binding(HMM:1.4e-18)
704	7193_1.R1010.f2	myb_dna-binding(HMM:1.5)
705	1751_1.R1010.f2	myb_dna-binding(HMM:1.5e-37)
706	96_1.R1010.f1	myb_dna-binding(HMM:1.5e-44)
707	338_1.R1010.f3	myb_dna-binding(HMM:1.5e-45)
708	PLN_g3941471.f3	myb_dna-binding(HMM:1.6e-38)
709	125583_2.R1010.f5	myb_dna-binding(HMM:1.7)
710	jC-atXN563193a2.f2	myb_dna-binding(HMM:1.7)
711	117090_1.R1010.f1	myb_dna-binding(HMM:1.8e-17)
712	1749_1.R1010.f2	myb_dna-binding(HMM:1.8e-35)
713	33812_1.R1010.f3	myb_dna-binding(HMM:1.8e-37)
714	21524_1.R1010.f1	myb_dna-binding(HMM:1.9e-30)
715	1740_1.R1010.f1	myb_dna-binding(HMM:1.9e-40)
716	LIB22-001-Q1-E1-G3.f2	myb_dna-binding(HMM:2.1e-06)
717	10288_1.R1010.f3	myb_dna-binding(HMM:2.1e-11)
718	1748_1.R1010.f3	myb_dna-binding(HMM:2.2e-43)
719	368_1.R1010.f1	myb_dna-binding(HMM:2.2e-43)
720	25441_1.R1010.f2	myb_dna-binding(HMM:2.2e-45)
721	PLN_g1263092.f1	myb_dna-binding(HMM:2.2e-45)
722	2763242.f1	myb_dna-binding(HMM:2.3e-16)
723	PLN_g3941435.f1	myb_dna-binding(HMM:2.3e-39)
724	1753_1.R1010.f3	myb_dna-binding(HMM:2.4e-44)
725	6889_1.R1010.f3	myb_dna-binding(HMM:2.5e-09)
726	494_1.R1010.f2	myb_dna-binding(HMM:2.5e-11)

727	PLN_g1732512.f3	myb_dna-binding(HMM:2.5e-42)
728	1752_1.R1010.f2	myb_dna-binding(HMM:2.5e-45)
729	1750_1.R1010.f2	myb_dna-binding(HMM:2.6e-38)
730	1744_1.R1010.f3	myb_dna-binding(HMM:2.6e-41)
731	8478_1.R1010.f3	myb_dna-binding(HMM:2.7e-09)
732	17177_1.R1010.f3	myb_dna-binding(HMM:2.7e-31)
733	LIB3177-091-P1-K1-F4.f2	myb_dna-binding(HMM:2.9e-26)
734	LIB3177-078-P1-K1-F8.f2	myb_dna-binding(HMM:2.9e-32)
735	19235_2.R1010.f1	myb_dna-binding(HMM:2e-05)
736	367_2.R1010.f2	myb_dna-binding(HMM:3.1e-05)
737	PLN_g2280527.f1	myb_dna-binding(HMM:3.2e-42)
738	725_1.R1010.f3	myb_dna-binding(HMM:3.2e-44)
739	7193_2.R1010.f2	myb_dna-binding(HMM:3.4e-43)
740	1033_1.R1010.f1	myb_dna-binding(HMM:3.7e-41)
741	1338_1.R1010.f1	myb_dna-binding(HMM:3.8e-11)
742	LIB24-006-Q1-E1-A2.f2	myb_dna-binding(HMM:3.8e-21)
743	1023_1.R1010.f1	myb_dna-binding(HMM:4.3e-44)
744	1737_1.R1010.f1	myb_dna-binding(HMM:4.8e-47)
745	1743_1.R1010.f3	myb_dna-binding(HMM:4.9e-36)
746	PLN_g3941467.f3	myb_dna-binding(HMM:5.1e-36)
747	1333_1.R1010.f3	myb_dna-binding(HMM:5.1e-46)
748	1738_1.R1010.f3	myb_dna-binding(HMM:5.1e-46)
749	9038_1.R1010.f3	myb_dna-binding(HMM:5.3e-12)
750	1034_1.R1010.f1	myb_dna-binding(HMM:5.4e-16)
751	225_1.R1010.f3	myb_dna-binding(HMM:5.6e-42)
752	1486_1.R1010.f3	myb_dna-binding(HMM:5.8e-31)
753	936051.f1	myb_dna-binding(HMM:5.9e-14)
754	PLN_g2832407.f1	myb_dna-binding(HMM:6.1e-35)
755	1032_1.R1010.f2	myb_dna-binding(HMM:6.3e-42)
756	PLN_g2346965.f1	myb_dna-binding(HMM:6e-05)
757	LIB3175-046-P1-K1-B10.f2	myb_dna-binding(HMM:6e-22)
758	2757484.f2	myb_dna-binding(HMM:7.1e-18)
759	1772_2.R1010.f4	myb_dna-binding(HMM:7.1e-47)
760	1738_2.R1010.f3	myb_dna-binding(HMM:7.6e-34)
761	10057_1.R1010.f3	myb_dna-binding(HMM:7e-10)
762	8189_1.R1010.f3	myb_dna-binding(HMM:7e-20)
763	43001_1.R1010.f1	myb_dna-binding(HMM:8.3e-10)
764	10057_3.R1010.f3	myb_dna-binding(HMM:8.6e-10)
765	335_1.R1010.f1	myb_dna-binding(HMM:8.8e-42)
766	1747_1.R1010.f1	myb_dna-binding(HMM:8.9e-42)
767	1739_1.R1010.f1	myb_dna-binding(HMM:9.5e-44)
768	1750_2.R1010.f1	myb_dna-binding(HMM:9.6e-08)
769	LIB3175-061-P1-K1-F8.f2	nam(HMM:0.0021)
770	jC-atXLIB327424P1g06b2.f1	nam(HMM:0.0048)
771	398614.f1	nam(HMM:0.04)
772	jC-atXLIB327430P1e05b1.f1	nam(HMM:0.37)
773	LIB3175-076-P1-K1-B2.f1	nam(HMM:0.88)
774	623015.f1	nam(HMM:1.1e-05)
775	12650_4.R1010.f2	nam(HMM:1.1e-07)
776	2596320.f2	nam(HMM:1.1e-15)
777	8647_2.R1010.f2	nam(HMM:1.1e-35)
778	6414_1.R1010.f1	nam(HMM:1.1e-78)
779	LIB3234-050-P1-K1-F8.f6	nam(HMM:1.2e-09)
780	LIB3234-059-P1-K1-G11.f2	nam(HMM:1.2e-22)

834	2047367.f1	nam(HMM:9.2e-64)
834	2047367.f1	nam(HMM:9.2e-64)
835	LIB3177-007-P1-K1-E7.f2	nap_family(HMM:0.0014)
836	30951_1.R1010.f2	nap_family(HMM:0.0067)
837	906184.f1	nap_family(HMM:0.023)
838	LIB3176-036-P1-K1-A6.f1	nap_family(HMM:0.065)
839	jC-atXP62C203C3T7022a1.f6	nap_family(HMM:1.1e-05)
840	LIB3177-005-P1-K1-B6.f1	nap_family(HMM:1.4e-05)
841	LIB3175-004-P1-K1-E9.f1	nap_family(HMM:2.6e-06)
842	4462_1.R1010.f3	nap_family(HMM:3.1e-13)
843	2798_1.R1010.f2	nap_family(HMM:3e-07)
844	8405_1.R1010.f3	nap_family(HMM:4.4e-09)
845	jC-atX22045Q1E1C02b1.f1	nap_family(HMM:5.3e-15)
846	21195_1.R1010.f3	nap_family(HMM:5.6e-37)
847	LIB3177-021-P1-K2-A7.f1	nap_family(HMM:5.8e-16)
848	2852_2.R1010.f1	nap_family(HMM:7.9e-103)
849	LIB3168-067-P1-K1-F5.f2	phd(HMM:0.013)
850	1620_1.R1010.f1	phd(HMM:0.015)
851	57640_1.R1010.f2	phd(HMM:0.02)
852	1619_1.R1010.f1	phd(HMM:0.1)
853	129014_1.R1010.f3	phd(HMM:0.34)
854	LIB3234-096-P1-K1-C2.f3	phd(HMM:0.47)
855	LIB23-021-Q2-E1-C12.f3	phd(HMM:1.1e-06)
856	95652_1.R1010.f5	phd(HMM:1.5e-08)
857	LIB22-063-Q1-E1-C9.f3	phd(HMM:1.6e-12)
858	LIB3168-006-P1-K1-E7.f2	phd(HMM:2e-15)
859	jC-atXL1044Q1E1G11a1.f6	phd(HMM:3.4e-13)
860	jC-atXP60C197M21T7027a1.f4	phd(HMM:3.5e-09)
861	LIB3177-015-P1-K2-B1.f2	phd(HMM:3.7e-05)
862	157847_1.R1010.f2	phd(HMM:5.8e-09)
863	103629_1.R1010.f5	phd(HMM:7.5e-08)
864	2538_1.R1010.f2	phd(HMM:7e-12)
865	2538_3.R1010.f3	phd(HMM:7e-12)
866	jC-atXP44C171F7T7024a1.f4	phd(HMM:7e-12)
867	LIB23-031-Q1-E1-G5.f2	phd(HMM:9e-05)
868	LIB3175-033-P1-K1-E1.f1	response_reg(HMM:0.00012)
869	LIB3177-016-P1-K1-C5.f3	response_reg(HMM:0.00074)
870	LIB3177-020-P1-K1-E2.f3	response_reg(HMM:1.2)
871	LIB3176-028-P1-K1-A2.f1	response_reg(HMM:1.2e-13)
872	244_1.R1010.f1	response_reg(HMM:1.2e-23)
873	393_1.R1010.f3	response_reg(HMM:1.3e-26)
874	2413769.f2	response_reg(HMM:1.5e-06)
875	403_2.R1010.f1	response_reg(HMM:1.5e-28)
876	1327644.f3	response_reg(HMM:1.7e-09)
877	2748920.f2	response_reg(HMM:1.8e-16)
878	395_1.R1010.f1	response_reg(HMM:1.8e-27)
879	7957_1.R1010.f1	response_reg(HMM:1.8e-27)
880	21872_1.R1010.f2	response_reg(HMM:3.1e-32)
881	403_1.R1010.f1	response_reg(HMM:3.5e-29)
882	21672_1.R1010.f2	response_reg(HMM:3.8e-06)
883	PLN_g3953604.f1	response_reg(HMM:3e-10)
884	PLN_g1679802.f1	response_reg(HMM:4.1e-28)
885	256_1.R1010.f3	response_reg(HMM:4.4e-26)
886	262_1.R1010.f1	response_reg(HMM:4.4e-32)

887	PLN_g3953594.f2	response_reg(HMM:4.7e-26)
888	LIB3175-052-P1-K1-F4.f1	response_reg(HMM:5e-32)
889	jC-atXP96CH2D6T7b1.f3	response_reg(HMM:6.1e-27)
890	391_1.R1010.f1	response_reg(HMM:8.2e-27)
891	jC-atXP29C138J22T7047d1.f2	response_reg(HMM:8.8e-21)
892	8195_1.R1010.f3	sbpb(HMM:0.0021)
893	22477_2.R1010.f3	sbpb(HMM:0.0031)
894	735947.f3	sbpb(HMM:0.22)
895	22477_1.R1010.f2	sbpb(HMM:1.2e-42)
896	6824_1.R1010.f1	sbpb(HMM:4.5e-45)
897	1224_1.R1010.f1	sbpb(HMM:4.8e-46).f
898	LIB22-030-Q1-E1-F1.f2	sbpb(HMM:7.4e-46)
899	394856.f3	sbpb(HMM:8e-07)
900	1158768.f3	sbpb(HMM:9.5e-45)
901	LIB3176-024-P1-K1-G3.f1	scr(HMM:0.00023)
902	10912_3.R1010.f4	scr(HMM:0.0014)
903	LIB3168-058-P1-K1-F3.f1	scr(HMM:0.0031)
904	68978_1.R1010.f6	scr(HMM:0.01)
905	jC-atXN38694a1.f4	scr(HMM:0.03)
906	99356_1.R1010.f4	scr(HMM:1.1e-06)
907	81940_1.R1010.f5	scr(HMM:1.1e-14)
908	34737_1.R1010.f3	scr(HMM:1.2e-17)
909	115765_1.R1010.f2	scr(HMM:1.3e-05)
910	11140_1.R1010.f6	scr(HMM:1.3e-09)
911	jC-atXLIB327416P2g07a1.f6	scr(HMM:1.4e-09)
912	LIB22-025-Q1-E1-A1.f2	scr(HMM:1.4e-23)
913	139933_1.R1010.f1	scr(HMM:1.4e-31)
914	jC-atXLIB327419P1g05a2.f6	scr(HMM:1.5e-06)
915	6888_1.R1010.f3	scr(HMM:1.6e-09)
916	1156_1.R1010.f1	scr(HMM:1.7e-185)
917	222_1.R1010.f2	scr(HMM:1.8e-185)
918	LIB3177-036-P1-K1-E3.f2	scr(HMM:1.9e-05)
919	1155_2.R1010.f3	scr(HMM:1.9e-18)
920	111122_1.R1010.f4	scr(HMM:2.5e-12)
921	6443_2.R1010.f2	scr(HMM:2.8e-118)
922	5003_1.R1010.f1	scr(HMM:2e-15)
923	jC-alXLIB327434P1g12b1.f1	scr(HMM:2e-40)
924	jC-atXLIB327408P2a09a1.f6	scr(HMM:3.3e-05)
925	36525_1.R1010.f3	scr(HMM:3e-08)
926	LIB3168-028-P1-K1-B4.f6	scr(HMM:4.2e-05)
927	586965.f1	scr(HMM:4.2e-12)
928	19298_1.R1010.f1	scr(HMM:4.5e-11)
929	51773_1.R1010.f2	scr(HMM:4.6e-05)
930	LIB24-005-Q1-E1-G12.f3	scr(HMM:5.4e-09)
931	33892_1.R1010.f1	scr(HMM:5.6e-06)
932	6443_1.R1010.f1	scr(HMM:6.3e-06)
933	59776_1.R1010.f2	scr(HMM:7.1e-07)
934	39_1.R1010.f1	scr(HMM:7.4e-171)
935	87448_1.R1010.f5	scr(HMM:7.6e-15)
936	jC-atX22069Q1E1B01a1.f5	scr(HMM:7.8e-36)
937	88702_1.R1010.f1	scr(HMM:8.3e-29)
938	1155_1.R1010.f1	scr(HMM:9.2e-188)
939	LIB3177-080-P1-K1-G7.f2	set(HMM:0.0021)
940	16791.f5	set(HMM:0.0036)

941	jC-atXP32C147O24T7d2.f3	set(HMM:0.0065)
942	119988_1.R1010.f2	set(HMM:1e-23)
943	20908_1.R1010.f2	set(HMM:2.6e-45)
944	PLN_g3089624.f2	set(HMM:4.1e-55)
945	1852_1.R1010.f2	set(HMM:4.9e-56)
946	590_1.R1010.f1	set(HMM:5.4e-57)
947	5387_1.R1010.f1	set(HMM:7.1e-08)
948	LIB3234-004-P1-K1-F1.f2	set(HMM:9.1e-07)
949	1932_1.R1010.f2	snf2_n(HMM:0.1)
950	LIB22-063-Q1-E1-C6.f1	snf2_n(HMM:0.13)
951	7289_1.R1010.f1	snf2_n(HMM:0.2)
952	3933_1.R1010.f2	snf2_n(HMM:0.97)
953	117341_1.R1010.f3	snf2_n(HMM:1.1e-08)
954	1328354.f4	snf2_n(HMM:1.6e-12)
955	LIB24-048-Q1-E1-G10.f3	snf2_n(HMM:1e-16)
956	LIB24-085-Q1-E1-D12.f2	snf2_n(HMM:1e-20)
957	1328372.f3	snf2_n(HMM:2.3e-26)
958	LIB3234-006-P1-K1-H1.f1	snf2_n(HMM:3.1e-11)
959	LIB23-012-Q1-E1-G1.f2	snf2_n(HMM:3e-11)
960	LIB24-019-Q1-E1-H9.f5	snf2_n(HMM:4.9e-11)
961	28253_1.R1010.f1	srf-tf(HMM:1.1e-31)
962	5431_1.R1010.f2	srf-tf(HMM:1.1e-34)
963	jC-atXLIB327403P3h07b1.f1	srf-tf(HMM:1.4e-07)
964	LIB25-111-Q1-E1-C9.f2	srf-tf(HMM:1.5e-07)
965	LIB3177-085-P1-K1-G5.f3	srf-tf(HMM:2.9e-35)
966	14225_2.R1010.f1	srf-tf(HMM:2e-29)
967	14225_3.R1010.f2	srf-tf(HMM:2e-29)
968	30922_1.R1010.f2	srf-tf(HMM:3.3e-36)
969	jC-aIX24119Q1E1A11b1.f2	srf-tf(HMM:3e-10)
970	2733904.f3	srf-tf(HMM:4.6e-23)
971	30922_2.R1010.f3	srf-tf(HMM:4.9e-07)
972	LIB24-045-Q1-E1-F2.f3	srf-tf(HMM:5.2e-05)
973	26694_1.R1010.f2	srf-tf(HMM:5.5e-18)
974	4714014.f3	srf-tf(HMM:6.1e-13)
975	LIB25-016-Q1-E1-F11.f1	srf-tf(HMM:7.5e-38)
976	26442_1.R1010.f2	srf-tf(HMM:9.8e-33)
977	jC-atXP96C249I5T7b1.f2	tbp(HMM:1.2e-38)
978	1249_2.R1010.f3	tbp(HMM:1.5e-81)
979	1249_1.R1010.f1	tbp(HMM:1.9e-80)
980	LIB3234-033-P1-K1-H1.f1	teo(HMM:0.0019)
981	jC-atXP86CG9F1T7b1.f3	teo(HMM:0.0043)
982	jC-atXP86CG9F1T7d2.f2	teo(HMM:0.006)
983	1768_1.R1010.f1	teo(HMM:1.5e-41)
984	jC-atXLIB327414P2c10a1.f3	teo(HMM:1.6e-25)
985	LIB3234-095-P1-K1-H10.f3	teo(HMM:1.9e-17)
986	14761_1.R1010.f3	teo(HMM:2.1e-36)
987	2763426.f3	teo(HMM:2.3e-16)
988	46854_1.R1010.f3	teo(HMM:2.4e-19)
989	16107_1.R1010.f3	teo(HMM:3.1e-11)
990	33449_1.R1010.f3	teo(HMM:3.1e-38)
991	27952_1.R1010.f1	teo(HMM:3.5e-36)
992	8400_2.R1010.f1	teo(HMM:4.1e-10)
993	36908_1.R1010.f1	teo(HMM:6.2e-44)
994	7511_1.R1010.f2	teo(HMM:7.3e-36)

995	7171_1.R1010.f1	teo(HMM:8.2e-33)
996	16530_1.R1010.f1	teo(HMM:9.7e-36)
997	2413898.f1	tfiis(HMM:0.015)
998	LIB23-027-Q1-E1-E11.f3	tfiis(HMM:3.6e-06)
999	1343_2.R1010.f1	transcript_fac2(HMM:0.1)
1000	35455_1.R1010.f2	transcript_fac2(HMM:0.28)
1001	1343_1.R1010.f1	transcript_fac2(HMM:3.1e-57)
1002	1271_1.R1010.f3	transcript_fac2(HMM:4.1e-59)
1003	jC-atX22014Q1E1C12a1.f6	trihelix(HMM:0.0014)
1004	103841_1.R1010.f6	trihelix(HMM:0.0024)
1005	2393630.f4	trihelix(HMM:0.0031)
1006	78762_1.R1010.f4	trihelix(HMM:0.028)
1007	jC-atXLIB327418P1a10b1.f3	trihelix(HMM:0.88)
1008	189_1.R1010.f1	trihelix(HMM:1.2e-118)
1009	LIB146-020-Q1-E1-E3.f1	trihelix(HMM:1.2e-12)
1010	852_1.R1010.f1	trihelix(HMM:1.6e-56)
1011	191_1.R1010.f1	trihelix(HMM:2.3e-120)
1012	24518_1.R1010.f2	trihelix(HMM:2.6e-07)
1013	LIB24-135-Q1-E1-H4.f1	trihelix(HMM:3.4e-53)
1014	27618_1.R1010.f1	trihelix(HMM:4.3e-07)
1015	LIB24-003-Q1-E1-D5.f3	trihelix(HMM:5.8)
1016	5312_1.R1010.f1	trihelix(HMM:6.1e-39)
1017	22425_1.R1010.f2	trihelix(HMM:7e-05)
1018	191_2.R1010.f3	trihelix(HMM:8.6e-46)
1019	jC-atXLIB327411P3d07b1.f3	wrky(HMM:0.0026)
1020	5826_1.R1010.f3	wrky(HMM:0.0031)
1021	8539_1.R1010.f1	wrky(HMM:0.0039)
1022	LIB3168-082-P1-K1-E5.f4	wrky(HMM:0.02)
1023	LIB3168-019-P1-K1-F2.f3	wrky(HMM:0.16)
1024	LIB3177-019-P1-K2-B10.f1	wrky(HMM:0.21)
1025	88718_1.R1010.f6	wrky(HMM:0.27)
1026	2393545.f2	wrky(HMM:0.34)
1027	LIB3175-020-P1-K1-G2.f1	wrky(HMM:1.1e-05)
1028	jC-atXLIB327406P2b07a1.f4	wrky(HMM:1.1e-22)
1029	1527_1.R1010.f1	wrky(HMM:1.2e-40)
1030	jC-atXP39C161C17T7s1.f2	wrky(HMM:1.4e-26)
1031	81064_1.R1010.f6	wrky(HMM:1.6e-41)
1032	9804_1.R1010.f3	wrky(HMM:1.6e-74)
1033	1327735.f2	wrky(HMM:1.7e-05)
1034	118163_1.R1010.f3	wrky(HMM:1.7e-29)
1035	LIB22-006-Q1-E1-G11.f3	wrky(HMM:1.9e-08)
1036	14802_1.R1010.f2	wrky(HMM:1.9e-35)
1037	5013_1.R1010.f2	wrky(HMM:1.9e-38)
1038	LIB22-075-Q1-E1-H8.f1	wrky(HMM:2.2e-09)
1039	jC-atXP119C193G18T7012a1.f5	wrky(HMM:2.3e-43)
1040	jC-atXP15C106F16T7018a1.f6	wrky(HMM:2.3e-45)
1041	2393223.f3	wrky(HMM:2.4e-40)
1042	15470_1.R1010.f2	wrky(HMM:2.8e-29)
1043	2759396.f3	wrky(HMM:2e-28)
1044	1479_2.R1010.f3	wrky(HMM:3.1e-86)
1045	jC-atXLIB327406P1d05b1.f2	wrky(HMM:3.2e-35)
1046	LIB3175-048-P1-K1-B6.f2	wrky(HMM:3.9e-35)
1047	56539_1.R1010.f2	wrky(HMM:4.1e-38)
1048	73241_1.R1010.f3	wrky(HMM:4.3e-24)

1049	2501_1.R1010.f1	wrky(HMM:4.4e-39)
1050	LIB3176-030-P1-K1-B12.f2	wrky(HMM:4.5e-16)
1051	773507.f4	wrky(HMM:4e-35)
1052	93888_1.R1010.f4	wrky(HMM:5.1e-42)
1053	102356_1.R1010.f6	wrky(HMM:6.6e-13)
1054	1932911.f2	wrky(HMM:7.4e-06)
1055	jC-atXP92C249D20T7085d1.f3	wrky(HMM:7.4e-07)
1056	jC-atXP15C107M17T7066a1.f4	wrky(HMM:7.8e-05)
1057	31824_1.R1010.f2	wrky(HMM:8.3e-41)
1058	9668_1.R1010.f1	"zf-b_box(HMM:0.00016),zf-constans(HMM:1.6e-33)"
1059	193_1.R1010.f2	"zf-b_box(HMM:0.0044),zf-constans(HMM:2.7e-43)"
1060	5722_1.R1010.f3	"zf-b_box(HMM:0.0063),zf-constans(HMM:8.4e-42)"
1061	LIB35-042-Q1-E1-A4.f1	"zf-b_box(HMM:0.0063),zf-constans(HMM:8.4e-42)"
1062	LIB25-027-Q1-E1-H4.f1	"zf-b_box(HMM:0.013),zf-constans(HMM:3.3e-08)"
1063	40_1.R1010.f1	"zf-b_box(HMM:0.017),zf-constans(HMM:8.1e-42)"
1064	122486_1.R1010.f3	"zf-b_box(HMM:0.028),zf-constans(HMM:5.6e-20)"
1065	PLN_g1161513.f1	"zf-b_box(HMM:0.033),zf-constans(HMM:2.1e-40)"
1066	125594_2.R1010.f2	"zf-b_box(HMM:0.039),zf-constans(HMM:3.5e-15)"
1067	51413_1.R1010.f2	"zf-b_box(HMM:0.039),zf-constans(HMM:3.6e-26)"
1068	29526_1.R1010.f3	"zf-b_box(HMM:0.042),zf-constans(HMM:7.6e-18)"
1069	1234_1.R1010.f2	"zf-b_box(HMM:0.045),zf-constans(HMM:1.7e-41)"
1070	13583_1.R1010.f2	"zf-b_box(HMM:0.053),zf-constans(HMM:3.7e-16)"
1071	17975_1.R1010.f1	"zf-b_box(HMM:0.06),zf-constans(HMM:1.1e-17)"
1072	15190_1.R1010.f2	"zf-b_box(HMM:0.063),zf-constans(HMM:2.4e-15)"
1073	jC-atXLIB327431P4f03a1.f3	"zf-b_box(HMM:0.083),zf-constans(HMM:2.9e-31)"
1074	47411_1.R1010.f2	"zf-b_box(HMM:0.096),zf-constans(HMM:2e-36)"
1075	24889_2.R1010.f3	zf-c2h2(HMM:0.00051)
1076	27999_1.R1010.f1	zf-c2h2(HMM:0.00064)
1077	jC-atXP82CG2D11T7b1.f3	zf-c2h2(HMM:0.00067)
1078	10874_2.R1010.f2	zf-c2h2(HMM:0.00069)
1079	970_1.R1010.f1	zf-c2h2(HMM:0.0013)
1080	LIB3168-010-P1-K1-G9.f3	zf-c2h2(HMM:0.0018)
1081	80711_2.R1010.f4	zf-c2h2(HMM:0.0074)
1082	jC-atXLIB327420P3h07b1.f1	zf-c2h2(HMM:0.015)
1083	PLN_g790676.f1	zf-c2h2(HMM:0.027)
1084	971_1.R1010.f2	zf-c2h2(HMM:0.064)
1085	jC-atXP5C89H13T7036a1.f6	zf-c2h2(HMM:0.064)

1086	969_1.R1010.f1	zf-c2h2(HMM:0.072)
1087	PLN_g790672.f3	zf-c2h2(HMM:0.072)
1088	PLN_g790674.f1	zf-c2h2(HMM:0.072)
1089	PLN_g1418340.f3	zf-c2h2(HMM:1.6e-07)
1090	1605_1.R1010.f1	zf-c2h2(HMM:1.9e-09)
1091	1203_1.R1010.f1	zf-c2h2(HMM:2.2e-06)
1092	5716_1.R1010.f2	zf-c2h2(HMM:2e-05)
1093	1202_1.R1010.f3	zf-c2h2(HMM:3.6e-08)
1094	PLN_g1418334.f1	zf-c2h2(HMM:3.6e-08)
1095	101520_1.R1010.f2	zf-c2h2(HMM:3.9e-09)
1096	1201_1.R1010.f1	zf-c2h2(HMM:4.5e-10)
1097	80711_1.R1010.f4	zf-c2h2(HMM:8.2e-12)
1098	1204_1.R1010.f2	zf-c2h2(HMM:8.8e-09)
1099	460754.f4	zf-c3hc4(HMM:0.00013)
1100	LIB3234-033-P1-K1-D11.f5	zf-c3hc4(HMM:0.00013)
1101	77239_1.R1010.f1	zf-c3hc4(HMM:0.00023)
1102	51315_1.R1010.f3	zf-c3hc4(HMM:0.00028)
1103	1788_1.R1010.f1	zf-c3hc4(HMM:0.00032)
1104	ARABL1-043-Q1-B1-B10.f5	zf-c3hc4(HMM:0.00038)
1105	61662_1.R1010.f1	zf-c3hc4(HMM:0.0004)
1106	65486_1.R1010.f5	zf-c3hc4(HMM:0.00054)
1107	11806_1.R1010.f1	zf-c3hc4(HMM:0.00066)
1108	2757852.f2	zf-c3hc4(HMM:0.00077)
1109	8493_1.R1010.f3	zf-c3hc4(HMM:0.00099)
1110	1520701.f1	zf-c3hc4(HMM:0.0012)
1111	jC-atX24064Q1E1E05a1.f6	zf-c3hc4(HMM:0.0015)
1112	115546_1.R1010.f6	zf-c3hc4(HMM:0.002)
1113	76250_1.R1010.f6	zf-c3hc4(HMM:0.0022)
1114	4272_5.R1010.f2	zf-c3hc4(HMM:0.0024)
1115	46964_1.R1010.f3	zf-c3hc4(HMM:0.0024)
1116	LIB3176-071-P1-K1-F4.f1	zf-c3hc4(HMM:0.0026)
1117	150482_1.R1010.f2	zf-c3hc4(HMM:0.003)
1118	jC-atXP101CE1E10T7058b1.f1	zf-c3hc4(HMM:0.003)
1119	101734_1.R1010.f1	zf-c3hc4(HMM:0.0033)
1120	jC-a1XLIB327436P1g09b1.f3	zf-c3hc4(HMM:0.0054)
1121	LIB35-037-Q1-E1-D7.f2	zf-c3hc4(HMM:0.0054)
1122	13089_1.R1010.f3	zf-c3hc4(HMM:0.0064)
1123	115761_1.R1010.f1	zf-c3hc4(HMM:0.0084)
1124	458787.f4	zf-c3hc4(HMM:0.0084)
1125	88598_1.R1010.f5	zf-c3hc4(HMM:0.0099)
1126	LIB3176-086-P1-K1-F8.f1	zf-c3hc4(HMM:0.011)
1127	77842_1.R1010.f3	zf-c3hc4(HMM:0.015)
1128	88394_1.R1010.f5	zf-c3hc4(HMM:0.015)
1129	LIB25-094-Q1-E1-B8.f1	zf-c3hc4(HMM:0.015)
1130	LIB35-055-Q1-E2-H12.f2	zf-c3hc4(HMM:0.015)
1131	26804_1.R1010.f3	zf-c3hc4(HMM:0.017)
1132	44005_1.R1010.f3	zf-c3hc4(HMM:0.019)
1133	39331_1.R1010.f2	zf-c3hc4(HMM:0.023)
1134	96673_1.R1010.f4	zf-c3hc4(HMM:0.024)
1135	jC-a1X24005Q1E1C11a1.f4	zf-c3hc4(HMM:0.03)
1136	634831.f1	zf-c3hc4(HMM:0.036)
1137	33548_1.R1010.f2	zf-c3hc4(HMM:0.041)
1138	33887_1.R1010.f1	zf-c3hc4(HMM:0.044)
1139	213_23.R1010.f3	zf-c3hc4(HMM:0.048)

1140	jC-atXLIB327410P2h09a1.f4	zf-c3hc4(HMM:0.049)
1141	116810_1.R1010.f3	zf-c3hc4(HMM:0.06)
1142	85162_1.R1010.f4	zf-c3hc4(HMM:0.061)
1143	88872_1.R1010.f4	zf-c3hc4(HMM:0.063)
1144	5688_2.R1010.f1	zf-c3hc4(HMM:0.065)
1145	25145_1.R1010.f6	zf-c3hc4(HMM:0.067)
1146	jC-alXLIB327434P4h12a1.f6	zf-c3hc4(HMM:0.068)
1147	LIB3177-067-P1-K1-F10.f1	zf-c3hc4(HMM:0.069)
1148	16046_1.R1010.f1	zf-c3hc4(HMM:0.072)
1149	LIB23-027-Q1-E1-H9.f6	zf-c3hc4(HMM:0.075)
1150	64121_1.R1010.f2	zf-c3hc4(HMM:0.08)
1151	91568_1.R1010.f6	zf-c3hc4(HMM:0.085)
1152	906835.f3	zf-c3hc4(HMM:0.11)
1153	75883_1.R1010.f6	zf-c3hc4(HMM:0.17)
1154	LIB35-042-Q1-E1-B5.f2	zf-c3hc4(HMM:0.22)
1155	79742_3.R1010.f4	zf-c3hc4(HMM:0.25)
1156	2749609.f3	zf-c3hc4(HMM:0.32)
1157	13387_1.R1010.f2	zf-c3hc4(HMM:0.55)
1158	36130_1.R1010.f3	zf-c3hc4(HMM:0.66)
1159	104041_1.R1010.f4	zf-c3hc4(HMM:1.1e-05)
1160	40473_1.R1010.f3	zf-c3hc4(HMM:1.1e-07)
1161	15228_1.R1010.f1	zf-c3hc4(HMM:1.1e-09)
1162	714_1.R1010.f2	"zf-c3hc4(HMM:1.1e-16),zz(HMM:4.4e-16)"
1163	jC-alXLIB327436P1g09a1.f4	zf-c3hc4(HMM:1.2e-09)
1164	2763784.f3	zf-c3hc4(HMM:1.4e-08)
1165	70486_1.R1010.f1	zf-c3hc4(HMM:1.4e-08)
1166	28736_1.R1010.f3	zf-c3hc4(HMM:1.4e-09)
1167	1793_1.R1010.f2	zf-c3hc4(HMM:1.5e-12)
1168	74196_1.R1010.f1	zf-c3hc4(HMM:1.6e-06)
1169	jC-atX24027Q1E1F03a1.f4	zf-c3hc4(HMM:1.6e-11)
1170	LIB22-004-Q1-E1-D10.f1	zf-c3hc4(HMM:1.6e-11)
1171	1785_1.R1010.f1	zf-c3hc4(HMM:1.6e-11).f
1172	2413955.f1	zf-c3hc4(HMM:1.6e-12)
1173	8878_1.R1010.f2	zf-c3hc4(HMM:1.7e-10)
1174	7144_1.R1010.f3	zf-c3hc4(HMM:1.7e-11)
1175	jC-atXP13C103O3T7004a1.f4	zf-c3hc4(HMM:1.8e-07)
1176	1786_1.R1010.f1	zf-c3hc4(HMM:1.8e-09)
1177	LIB3176-051-P1-K1-H2.f1	zf-c3hc4(HMM:1.8e-10)
1178	14579_1.R1010.f2	zf-c3hc4(HMM:1e-11)
1179	jC-atXLIB327409P4h04a1.f4	zf-c3hc4(HMM:2.1)
1180	79397_1.R1010.f5	zf-c3hc4(HMM:2.1e-11)
1181	2062852.f1	zf-c3hc4(HMM:2.2)
1182	jC-atXLIB327438P3e01a2.f2	zf-c3hc4(HMM:2.2e-09)
1183	1795_1.R1010.f2	zf-c3hc4(HMM:2.3e-09)
1184	2048291.f2	zf-c3hc4(HMM:2.3e-10)
1185	1789_1.R1010.f2	zf-c3hc4(HMM:2.4e-14)
1186	905856.f2	zf-c3hc4(HMM:2.5e-06)
1187	88949_1.R1010.f5	zf-c3hc4(HMM:2.6e-13)
1188	1787_1.R1010.f3	zf-c3hc4(HMM:2.7e-10)
1189	101518_1.R1010.f2	zf-c3hc4(HMM:2e-10)
1190	LIB23-028-Q1-E1-C3.f3	zf-c3hc4(HMM:3.1e-06)
1191	jC-atXP1C64A5T7s2.f6	zf-c3hc4(HMM:3.1e-07)
1192	74854_1.R1010.f3	zf-c3hc4(HMM:3.1e-09)

1193	ARABL1-038-Q1-E1-G10.f6	zf-c3hc4(HMM:3.1e-11)
1194	LIB3168-061-P1-K1-A9.f5	zf-c3hc4(HMM:3.2e-10)
1195	1794_1.R1010.f3	zf-c3hc4(HMM:3.3e-08)
1196	128642_1.R1010.f3	zf-c3hc4(HMM:3.4e-05)
1197	jC-atXU104f1.f4	zf-c3hc4(HMM:3.4e-05)
1198	10177_1.R1010.f1	zf-c3hc4(HMM:3.4e-06)
1199	15228_2.R1010.f3	zf-c3hc4(HMM:3.4e-10)
1200	8186_1.R1010.f3	zf-c3hc4(HMM:3.7e-06)
1201	jC-atXLIB327431P4h03a1.f2	zf-c3hc4(HMM:3.8e-07)
1202	24635_1.R1010.f3	zf-c3hc4(HMM:3.9e-08)
1203	22255_1.R1010.f1	zf-c3hc4(HMM:3.9e-09)
1204	1159615.f2	zf-c3hc4(HMM:4.2e-09)
1205	2581694.f3	zf-c3hc4(HMM:4.2e-10)
1206	jC-atXP69C219A23T7014d1.f1	zf-c3hc4(HMM:4.2e-10)
1207	17051_1.R1010.f3	zf-c3hc4(HMM:4.4e-08)
1208	1874_1.R1010.f3	zf-c3hc4(HMM:4.5e-08)
1209	1792_1.R1010.f3	zf-c3hc4(HMM:5.5e-09)
1210	6103_1.R1010.f3	zf-c3hc4(HMM:5.8e-07)
1211	14617_1.R1010.f1	zf-c3hc4(HMM:6.3e-10)
1212	2754_2.R1010.f2	zf-c3hc4(HMM:6.4e-09)
1213	101364_1.R1010.f4	zf-c3hc4(HMM:6.4e-10)
1214	jC-alXLIB327436P2d05a1.f5	zf-c3hc4(HMM:6.5e-05)
1215	24834_1.R1010.f1	zf-c3hc4(HMM:6.5e-11)
1216	4922_1.R1010.f1	zf-c3hc4(HMM:6.6e-08)
1217	15369_1.R1010.f2	zf-c3hc4(HMM:6.8e-12)
1218	949655.f1	zf-c3hc4(HMM:7.1e-07)
1219	96498_1.R1010.f6	zf-c3hc4(HMM:7.4e-08)
1220	74370_1.R1010.f2	zf-c3hc4(HMM:7.8e-06)
1221	jC-atXLIB327408P4e09a1.f4	zf-c3hc4(HMM:7.8e-10)
1222	396_1.R1010.f1	zf-c3hc4(HMM:7e-11)
1223	10338_1.R1010.f1	zf-c3hc4(HMM:8.1e-07)
1224	2047468.f3	zf-c3hc4(HMM:8.2e-05)
1225	88616_1.R1010.f4	zf-c3hc4(HMM:8.6e-09)
1226	213_12.R1010.f3	zf-c3hc4(HMM:8.8e-08)
1227	2581616.f3	zf-c3hc4(HMM:8.8e-08)
1228	128926_1.R1010.f6	zf-c3hc4(HMM:8.8e-09)
1229	jC-atXP8C92K1T7d1.f4	zf-c3hc4(HMM:8.8e-12)
1230	47105_1.R1010.f2	zf-c3hc4(HMM:8e-07)
1231	57820_1.R1010.f3	zf-c3hc4(HMM:8e-12)
1232	127383_1.R1010.f4	zf-c3hc4(HMM:9.2e-13)
1233	31344_1.R1010.f3	zf-c3hc4(HMM:9.4e-06)
1234	1790_1.R1010.f2	zf-c3hc4(HMM:9.7e-12)
1235	19591_1.R1010.f3	zf-ccch(HMM:0.00014)
1236	22324_1.R1010.f2	zf-ccch(HMM:0.00034)
1237	32632_1.R1010.f1	zf-ccch(HMM:0.00038)
1238	11605_1.R1010.f3	zf-ccch(HMM:0.0018)
1239	7176_1.R1010.f3	zf-ccch(HMM:0.0023)
1240	LIB3234-087-Q1-K1-G12.f3	zf-ccch(HMM:0.0095)
1241	20290_1.R1010.f3	zf-ccch(HMM:0.0096)
1241	20290_1.R1010.f3	zf-ccch(HMM:0.0096)
1242	116042_1.R1010.f2	zf-ccch(HMM:0.015)
1243	99257_1.R1010.f6	zf-ccch(HMM:0.031)
1244	jC-atXP31C147B23T7s1.f4	zf-ccch(HMM:0.031)
1245	jC-atXLIB327416P3e02a1.f6	zf-ccch(HMM:0.04)

1246	LIB146-022-Q1-E1-E5.f2	zf-ccch(HMM:0.046)
1247	1695_1.R1010.f2	zf-ccch(HMM:0.098)
1248	116035_1.R1010.f5	zf-ccch(HMM:1.5e-05)
1249	5626_1.R1010.f3	zf-ccch(HMM:2.1e-06)
1250	8921_1.R1010.f3	zf-ccch(HMM:2.1e-06)
1251	38040_1.R1010.f1	zf-ccch(HMM:6.6e-16)
1252	1199_1.R1010.f2	zf-cchc(HMM:0.00024)
1253	670_1.R1010.f3	zf-cchc(HMM:0.0003)
1254	129921_1.R1010.f5	zf-cchc(HMM:0.00053)
1255	jC-atXLIB327433P2a10a1.f4	zf-cchc(HMM:0.0017)
1256	108675_1.R1010.f5	zf-cchc(HMM:0.012)
1257	LIB3177-077-P1-K1-E7.f1	zf-cchc(HMM:0.15)
1258	1200_1.R1010.f2	zf-cchc(HMM:1.2e-05)
1259	22484_1.R1010.f1	zf-cchc(HMM:1.5e-06)
1260	11483_1.R1010.f1	zf-cchc(HMM:1.5e-17)
1261	LIB3176-047-P1-K1-D4.f2	zf-cchc(HMM:1.7e-12)
1262	2763645.f3	zf-cchc(HMM:2.6e-06)
1263	13021_1.R1010.f3	zf-cchc(HMM:2.9e-11)
1264	3418_1.R1010.f3	zf-cchc(HMM:4.5e-05)
1265	LIB3176-069-P1-K1-H8.f2	zf-constans(HMM:0.00032)
1266	47549_1.R1010.f1	zf-constans(HMM:1.3e-14)
1267	28795_1.R1010.f2	zf-constans(HMM:1.8e-31)
1268	74055_1.R1010.f1	zf-constans(HMM:1.9e-16)
1269	315827.f3	zf-constans(HMM:1e-10)
1270	28040_1.R1010.f1	zf-constans(HMM:1e-25)
1271	131318_1.R1010.f2	zf-constans(HMM:2.1e-18)
1272	7711_1.R1010.f3	zf-constans(HMM:2.3e-14)
1273	2733155.f3	zf-constans(HMM:2.7e-12)
1274	13864_8.R1010.f1	zf-constans(HMM:3.3e-10)
1275	13864_3.R1010.f2	zf-constans(HMM:3.9e-31)
1276	906416.f3	zf-constans(HMM:4.8e-38)
1277	35325_1.R1010.f3	zf-constans(HMM:5.6e-36)
1278	1216676.f1	zf-constans(HMM:5e-07)
1279	jC-atXN442143a1.f6	zf-constans(HMM:9.6e-10)
1280	2048672.f1	zf-mynd(HMM:0.037)
1281	123095_1.R1010.f2	zf-mynd(HMM:0.27)
1282	117076_1.R1010.f6	zf-mynd(HMM:0.85)
1283	102319_2.R1010.f6	zf-mynd(HMM:2.3e-11)
1284	93572_1.R1010.f5	zz(HMM:0.045)
1285	2470_1.R1010.f1	zz(HMM:5.8e-08)
1286	550153.f2	zz(HMM:7.6e-07)

Table 3: Nucleic Acids encoding transcription factors from *Arabidopsis thaliana*

SEQ NUM	SEQ ID	Family/Method/E-value
1287	LIB22-064-Q1-E1-D9	14-3-3(HMM:0.00044)
1288	ARABL1-06-Q1-B1-F3	14-3-3(HMM:0.0091)
1289	934818	14-3-3(HMM:0.01)
1290	905536	14-3-3(HMM:1.2e-33)
1291	LIB3176-108-P1-K1-G9	14-3-3(HMM:1.4e-05)
1292	1152_4.R1010	14-3-3(HMM:1.4e-56)
1293	1152_5.R1010	14-3-3(HMM:1.4e-62)
1294	1152_2.R1010	14-3-3(HMM:1.5e-09)
1295	jC-atXLIB327419P4d06b1	14-3-3(HMM:1.5e-58)
1296	LIB3177-002-Q1-K1-C3	14-3-3(HMM:1.6e-12)
1297	20_2.R1010	14-3-3(HMM:1.8e-180)
1298	LIB3177-044-P1-K2-G11	14-3-3(HMM:1.9e-07)
1299	407_1.R1010	14-3-3(HMM:1.9e-167)
1300	LIB3176-102-P1-K1-B7	14-3-3(HMM:2.3e-07)
1301	jC-atXP100C251P17T7b1	14-3-3(HMM:2.3e-39)
1302	291_1.R1010	14-3-3(HMM:2.4e-180)
1303	LIB3177-033-P1-K2-D9	14-3-3(HMM:2.8e-24)
1304	20_3.R1010	14-3-3(HMM:2.9e-180)
1305	LIB23-037-Q1-E1-B5	14-3-3(HMM:2e-09)
1306	148_1.R1010	14-3-3(HMM:3.1e-177)
1307	2747674	14-3-3(HMM:3.2e-11)
1308	20_1.R1010	14-3-3(HMM:3.2e-181)
1309	936660	14-3-3(HMM:3.2e-23)
1310	LIB3177-009-P1-K2-E10	14-3-3(HMM:3.3e-34)
1311	1353_1.R1010	14-3-3(HMM:3.7e-167)
1312	2413851	14-3-3(HMM:3e-09)
1313	LIB3177-003-P1-K1-A4	14-3-3(HMM:4.1)
1314	LIB25-074-Q1-E1-C9	14-3-3(HMM:4.1e-11)
1315	906111	14-3-3(HMM:4.2e-09)
1316	20_4.R1010	14-3-3(HMM:4.6e-35)
1317	LIB24-111-Q1-E1-H3	14-3-3(HMM:4e-17)
1318	LIB3176-073-P1-K1-G8	14-3-3(HMM:5.3e-08)
1319	LIB24-100-Q1-E1-A11	14-3-3(HMM:5.3e-25)
1320	148_2.R1010	14-3-3(HMM:5.4e-179)
1321	LIB3177-050-P1-K1-F8	14-3-3(HMM:5.6e-05)
1322	1152_1.R1010	14-3-3(HMM:5.6e-173)
1323	jC-atXP74C225E18T7038d1	14-3-3(HMM:5.8e-137)
1324	460364	14-3-3(HMM:6e-10)
1325	LIB3176-055-P1-K1-H3	14-3-3(HMM:7.9e-24)
1326	1152_3.R1010	14-3-3(HMM:8.2e-174)
1327	LIB3175-053-P1-K1-F8	14-3-3(HMM:9.7e-14)
1328	LIB25-027-Q1-E1-A1	14-3-3(HMM:9e-32)
1329	38823_1.R1010	ank(HMM:0.0012)
1330	LIB3234-090-P1-K1-D9	ank(HMM:0.0014)
1331	LIB3175-052-P1-K1-H2	ank(HMM:0.005)
1332	LIB22-005-Q1-E1-C10	ank(HMM:0.018)
1333	4513_1.R1010	ank(HMM:0.035)
1334	4189_1.R1010	ank(HMM:0.041)
1335	4986_1.R1010	ank(HMM:0.068)
1336	LIB24-006-Q1-E1-B11	ank(HMM:0.14)
1337	11805_1.R1010	ank(HMM:1.1e-07)
1338	906580	ank(HMM:1.2e-05)

1339	LIB24-052-Q1-E1-B5	ank(HMM:1.5)
1340	2407_2.R1010	ank(HMM:1.7e-05)
1341	jC-atXLIB327401P3c07b2	ank(HMM:1.7e-10)
1342	16954_1.R1010	ank(HMM:1e-16)
1343	1643_1.R1010	ank(HMM:1e-21)
1344	2066_1.R1010	ank(HMM:1e-21)
1345	44151_1.R1010	ank(HMM:2.1e-08)
1346	16163_1.R1010	ank(HMM:2.2e-17)
1347	33294_1.R1010	ank(HMM:2.3e-08)
1348	jC-atXP108C153H24T7090d1	ank(HMM:2.3e-08)
1349	2581661	ank(HMM:2.3e-10)
1350	15542_1.R1010	ank(HMM:2.6e-07)
1351	2748147	ank(HMM:2.6e-15)
1352	jC-atXP108C175O12T7093d1	ank(HMM:2.6e-17)
1353	32724_1.R1010	ank(HMM:2.7e-08)
1354	133_1.R1010	"ank(HMM:2e-07),btb(HMM:9.4e-05)"
1355	315446	ank(HMM:2e-08)
1356	1643_3.R1010	ank(HMM:2e-22)
1357	1643_4.R1010	ank(HMM:3.1e-21)
1358	4734_2.R1010	ank(HMM:3.1e-43)
1359	5462_1.R1010	ank(HMM:3.2e-07)
1360	27659_1.R1010	ank(HMM:3.6e-13)
1361	115473_1.R1010	ank(HMM:3.6e-15)
1362	1517358	ank(HMM:3.6e-22)
1363	1643_6.R1010	ank(HMM:3.6e-22)
1364	4821_1.R1010	ank(HMM:4.1e-07)
1365	31463_1.R1010	ank(HMM:4.3e-09)
1366	ARABL1-05-Q1-B1-C6	ank(HMM:4.4e-08)
1367	LIB3168-082-P1-K1-G2	ank(HMM:4.5e-11)
1368	1363_1.R1010	ank(HMM:4.5e-22)
1369	8132_1.R1010	ank(HMM:5.2e-07)
1370	LIB24-116-Q1-E1-B6	ank(HMM:5.4e-07)
1371	32109_1.R1010	ank(HMM:5.5e-16)
1372	496793	ank(HMM:5.6e-18)
1373	LIB3176-113-P2-K1-F10	ank(HMM:5.7e-15)
1374	482_1.R1010	ank(HMM:5.8e-31)
1375	6303_1.R1010	ank(HMM:5.9e-24)
1376	24427_2.R1010	ank(HMM:6.8e-08)
1377	22643_1.R1010	ank(HMM:8.2e-29)
1378	27727_1.R1010	ank(HMM:9.3e-16)
1379	2407_1.R1010	ank(HMM:9.5e-19)
1380	jC-atXP108C144I3T7089d1	ank(HMM:9.7e-12)
1381	1643_2.R1010	ank(HMM:9e-23)
1382	jC-atXLIB327406P3d12b2	ap2-domain(HMM:0.00019)
1383	LIB22-005-Q1-E1-B7	ap2-domain(HMM:0.0012)
1384	LIB22-061-Q1-E2-F6	ap2-domain(HMM:0.0012)
1385	1217112	ap2-domain(HMM:0.0013)
1386	2042762	ap2-domain(HMM:0.0021)
1387	jC-atXP123C118L9T7046d1	ap2-domain(HMM:0.0041)
1388	116780_2.R1010	ap2-domain(HMM:0.006)
1389	2218_9.R1010	ap2-domain(HMM:0.0068)
1390	957825	ap2-domain(HMM:0.02)
1391	77399_1.R1010	ap2-domain(HMM:0.021)

1392	935966	ap2-domain(HMM:0.023)
1393	LIB3176-007-P1-K1-F5	ap2-domain(HMM:0.043)
1394	2048257	ap2-domain(HMM:0.26)
1395	1082066	ap2-domain(HMM:0.51)
1396	413_1.R1010	"ap2-domain(HMM:1.1e-24),arf(HMM:7.5),b3(HMM:2.2e-46)"
1397	414_1.R1010	"ap2-domain(HMM:1.1e-28),arf(HMM:5.1),b3(HMM:1.2e-46)"
1398	14576_1.R1010	ap2-domain(HMM:1.1e-35)
1399	389_1.R1010	ap2-domain(HMM:1.2e-43)
1400	470_7.R1010	ap2-domain(HMM:1.3e-39)
1401	9451_1.R1010	ap2-domain(HMM:1.4e-37)
1402	387_1.R1010	ap2-domain(HMM:1.4e-39)
1403	957460	ap2-domain(HMM:1.5e-05)
1404	74978_1.R1010	ap2-domain(HMM:1.5e-37)
1405	LIB23-036-Q1-E1-H8	ap2-domain(HMM:1.6e-09)
1406	470_2.R1010	ap2-domain(HMM:1.7e-42)
1407	10919_1.R1010	ap2-domain(HMM:1.9e-20)
1408	36240_1.R1010	ap2-domain(HMM:1.9e-27)
1409	9415_3.R1010	ap2-domain(HMM:1.9e-36)
1410	2413138	ap2-domain(HMM:2.1e-38)
1411	388_1.R1010	ap2-domain(HMM:2.1e-39)
1412	385_1.R1010	ap2-domain(HMM:2.1e-41)
1413	jC-atXP20C113D5T7033a1	ap2-domain(HMM:2.1e-41)
1414	LIB3234-100-P1-K1-B11	ap2-domain(HMM:2.3e-12)
1415	116780_1.R1010	ap2-domain(HMM:2.3e-37)
1416	11322_1.R1010	ap2-domain(HMM:2.4e-19)
1417	8781_1.R1010	ap2-domain(HMM:2.4e-39)
1418	412_1.R1010	ap2-domain(HMM:2.5e-41)
1419	jC-atXLIB327424P2g12b2	ap2-domain(HMM:2.7e-05)
1420	470_1.R1010	ap2-domain(HMM:2.8e-42)
1421	1364_1.R1010	ap2-domain(HMM:2.8e-63)
1422	PLN_g1246402	ap2-domain(HMM:2.9e-39)
1423	LIB3177-066-P1-K1-H7	ap2-domain(HMM:2e-10)
1424	LIB3234-049-P1-K1-D8	ap2-domain(HMM:2e-18)
1425	2762444	ap2-domain(HMM:2e-39)
1426	9415_1.R1010	ap2-domain(HMM:3.1)
1427	77309_1.R1010	ap2-domain(HMM:3.1e-22)
1428	4590_2.R1010	ap2-domain(HMM:3.1e-42)
1429	386_1.R1010	ap2-domain(HMM:3.2e-41)
1430	386_2.R1010	ap2-domain(HMM:3.2e-41)
1431	21598_1.R1010	ap2-domain(HMM:3.4e-42)
1432	8451_1.R1010	ap2-domain(HMM:3.5e-33)
1433	7295_1.R1010	ap2-domain(HMM:3.5e-37)
1434	LIB3175-035-P1-K1-G5	ap2-domain(HMM:3.8e-31)
1435	1913_1.R1010	ap2-domain(HMM:3.8e-67)
1436	19728_1.R1010	ap2-domain(HMM:3.9e-07)
1437	15669_1.R1010	ap2-domain(HMM:3.9e-14)
1438	4979_1.R1010	ap2-domain(HMM:3.9e-30)
1439	378_1.R1010	ap2-domain(HMM:4.2e-38)
1440	1216985	ap2-domain(HMM:4.2e-41)
1441	2218_5.R1010	ap2-domain(HMM:4.2e-41)

1442	1158470	ap2-domain(HMM:4.3e-08)
1443	20544_1.R1010	ap2-domain(HMM:4.6e-39)
1444	jC-atXLIB327438P1e09a1	ap2-domain(HMM:4.7e-35)
1445	LIB3168-022-P1-K1-G5	ap2-domain(HMM:4.7e-40)
1446	LIB3234-018-P1-K1-F10	ap2-domain(HMM:5.5)
1447	30840_1.R1010	ap2-domain(HMM:5.5e-37)
1448	7300_1.R1010	ap2-domain(HMM:5.7e-37)
1449	375_1.R1010	ap2-domain(HMM:5.8e-38)
1450	128405_1.R1010	ap2-domain(HMM:5.9)
1451	PLN_g3738231	ap2-domain(HMM:5e-39)
1452	477_1.R1010	ap2-domain(HMM:6.1e-38)
1453	LIB3176-113-P2-K1-C5	ap2-domain(HMM:6.2e-14)
1454	9415_2.R1010	ap2-domain(HMM:6.2e-27)
1455	935657	ap2-domain(HMM:6.3e-14)
1456	5895_1.R1010	ap2-domain(HMM:6.5e-30)
1457	PLN_g4128207	ap2-domain(HMM:6.6e-39)
1458	jC-atXP100C251N4T7b1	ap2-domain(HMM:6e-31)
1459	75807_1.R1010	ap2-domain(HMM:6e-39)
1460	375_2.R1010	ap2-domain(HMM:7.7e-38)
1461	470_8.R1010	ap2-domain(HMM:7.8e-05)
1462	2597552	ap2-domain(HMM:8.2e-33)
1463	PLN_g541772	ap2-domain(HMM:8.3e-41)
1464	10231_1.R1010	ap2-domain(HMM:8.7e-39)
1465	375_3.R1010	ap2-domain(HMM:8.8e-37)
1466	138198_1.R1010	ap2-domain(HMM:9.7e-35)
1467	2722927	ap2-domain(HMM:9.9e-05)
1468	LIB24-015-Q1-E1-H9	"arf(HMM:0.013),iaa(HMM:4.1)"
1469	LIB3168-057-P1-K1-F8	"arf(HMM:1.4e-06),b3(HMM:6e-36)"
1470	1604_1.R1010	"arf(HMM:1.4e-275),b3(HMM:4.1e-50),iaa(HMM:8.1e-37)"
1471	2121_1.R1010	"arf(HMM:1.8e-263),b3(HMM:1.1e-62)"
1472	LIB24-061-Q1-E1-B8	arf(HMM:2.6e-08)
1473	LIB24-016-Q1-E1-F8	arf(HMM:2.6e-12)
1474	LIB24-061-Q1-E1-A11	"arf(HMM:2.9e-13),b3(HMM:1.4e-05)"
1475	LIB146-023-Q1-E1-C1	arf(HMM:2.9e-27)
1476	25573_1.R1010	arf(HMM:2e-21)
1477	jC-atXLIB327404P1b06b1	"arf(HMM:3.4e-22),b3(HMM:3.1e-11)"
1478	1665_1.R1010	"arf(HMM:3.5e-278),b3(HMM:2.5e-49),iaa(HMM:1.1e-37)"
1479	1572_1.R1010	"arf(HMM:3.7e-284),b3(HMM:1.7e-49),iaa(HMM:3.7e-39)"
1480	LIB146-005-Q1-E1-D6	arf(HMM:3.7e-38)
1481	jC-atXLIB327439P2d08b2	arf(HMM:5.5e-19)
1482	5161_1.R1010	arf(HMM:6.2e-05)
1483	1652_1.R1010	"arf(HMM:6.6e-277),b3(HMM:8.7e-

1484	LIB22-009-Q1-E1-D10	57),iaa(HMM:7.8e-41)" "arf(HMM:6.9e-11),b3(HMM:2.3e-23)"
1485	1571_1.R1010	"arf(HMM:7.5e-277),b3(HMM:9.9e-56),iaa(HMM:1.9e-41)"
1486	2103_1.R1010	"arf(HMM:9.5e-270),b3(HMM:3.2e-61),iaa(HMM:2.4e-46)"
1487	25949_1.R1010	arid(HMM:0.45)
1488	45225_1.R1010	arid(HMM:1.3e-05)
1489	LIB25-100-Q1-E1-A9	arid(HMM:1.5e-05)
1490	2759573	arid(HMM:9.5e-05)
1491	jC-atXP101CE1H11T7076b1	athook(HMM:0.015)
1492	LIB3176-050-P1-K1-H11	athook(HMM:0.018)
1493	2597674	athook(HMM:0.021)
1494	jC-atX22079Q1E1B12a1	b3(HMM:0.45)
1495	PLN_g3582519	b3(HMM:1.6e-69)
1496	458_1.R1010	b3(HMM:5.5e-74)
1497	LIB3168-086-P1-K1-G10	bah(HMM:0.0024)
1498	31695_1.R1010	bah(HMM:2.9e-21)
1499	PLN_g2766712	"bah(HMM:3.4e-29),chromo(HMM:0.00019)"
1500	30519_1.R1010	bah(HMM:4.1e-08)
1501	874_1.R1010	bah(HMM:5.1e-103)
1502	1769_1.R1010	bpf-1(HMM:0)
1503	11707_1.R1010	bpf-1(HMM:0.047)
1504	108720_1.R1010	bpf-1(HMM:1.2e-09)
1505	LIB3176-033-P1-K1-D4	bpf-1(HMM:1.4e-20)
1506	17063_1.R1010	bpf-1(HMM:1.9e-27)
1507	40300_1.R1010	bpf-1(HMM:4.9e-58)
1508	92045_1.R1010	bpf-1(HMM:5.6e-31)
1509	LIB25-066-Q1-E1-H6	bpf-1(HMM:5e-19)
1510	31960_1.R1010	bromodomain(HMM:0.00075)
1511	56529_1.R1010	bromodomain(HMM:1.4e-12)
1512	1654_1.R1010	bromodomain(HMM:3.3e-32)
1513	LIB3176-010-P1-K1-F5	bromodomain(HMM:4.6)
1514	jC-atXLIB327414P4f03b2	bromodomain(HMM:4e-33)
1515	65236_1.R1010	bromodomain(HMM:9.1e-08)
1516	LIB3234-085-Q1-K1-G6	btb(HMM:0.00012)
1517	48681_1.R1010	btb(HMM:0.0016)
1518	jC-atXP31C146F3T7d2	btb(HMM:0.0022)
1519	5892_2.R1010	btb(HMM:0.0035)
1520	jC-atXLIB327402P1f07b1	btb(HMM:0.01)
1521	LIB25-035-Q1-E1-B3	btb(HMM:0.011)
1522	LIB3177-078-P1-K1-F4	btb(HMM:0.019)
1523	LIB24-072-Q1-E1-G1	btb(HMM:0.027)
1524	11482_1.R1010	btb(HMM:1.1e-05)
1525	3918_1.R1010	btb(HMM:1.6e-05)
1526	7245_1.R1010	btb(HMM:2e-12)
1527	29152_2.R1010	btb(HMM:3.1e-19)
1528	2545_1.R1010	btb(HMM:3.7e-17)
1529	28612_1.R1010	btb(HMM:3e-08)
1530	LIB3234-043-P1-K1-C12	btb(HMM:4.1)

1531	68549_2.R1010	btb(HMM:4.2e-16)
1532	5877_2.R1010	btb(HMM:4.3e-10)
1533	LIB25-113-Q1-E1-F12	btb(HMM:4.6e-06)
1534	9824_1.R1010	bzip(HMM:0.00027)
1535	PLN_g903687	bzip(HMM:0.00076)
1536	11510_1.R1010	bzip(HMM:0.0011)
1537	PLN_g414614	bzip(HMM:0.0013)
1538	742_1.R1010	bzip(HMM:0.0026)
1539	PLN_g304112	bzip(HMM:0.0047)
1540	5714_2.R1010	bzip(HMM:0.013)
1541	78339_1.R1010	bzip(HMM:1.1e-09)
1542	123173_1.R1010	bzip(HMM:1.2e-08)
1543	1572_2.R1010	bzip(HMM:1.5e-10)
1544	75128_1.R1010	bzip(HMM:1.6e-05)
1545	26232_1.R1010	bzip(HMM:1.6e-14)
1546	jC-atX25035Q1E1D03a1	bzip(HMM:1.7e-05)
1547	61046_1.R1010	bzip(HMM:1.9e-11)
1548	29897_1.R1010	bzip(HMM:2.1e-13)
1549	12984_1.R1010	bzip(HMM:2.6e-12)
1550	1054_1.R1010	bzip(HMM:3.2e-05)
1551	LIB3177-079-P1-K1-A10	bzip(HMM:3.3e-09)
1552	1476_1.R1010	bzip(HMM:3.3e-15)
1553	76_1.R1010	bzip(HMM:3.3e-15)
1554	550266	bzip(HMM:3.3e-22)
1555	641_1.R1010	bzip(HMM:3.3e-22)
1556	23422_1.R1010	bzip(HMM:3.8e-14)
1557	11113_1.R1010	bzip(HMM:4.5e-16)
1558	363_1.R1010	bzip(HMM:4.9e-17)
1559	2733320	bzip(HMM:4e-05)
1560	1251_1.R1010	bzip(HMM:4e-05)
1561	LIB3234-037-P1-K1-B12	bzip(HMM:4e-07)
1562	12984_2.R1010	bzip(HMM:5.1e-12)
1563	120237_1.R1010	bzip(HMM:5.6e-14)
1564	640_1.R1010	bzip(HMM:5.6e-21)
1565	639_1.R1010	bzip(HMM:5.8e-24)
1566	70681_1.R1010	bzip(HMM:6.2e-09)
1567	5890_1.R1010	bzip(HMM:6e-12)
1568	5714_1.R1010	bzip(HMM:8.4e-12)
1569	jC-atXLIB327408P4a12b1	bzip(HMM:9.3e-07)
1570	30010_1.R1010	bzip(HMM:9.5e-06)
1571	24151_1.R1010	"cbfd_nfyb_hmf(HMM:0.053),hi stone(HMM:1e-50)"
1572	24151_2.R1010	"cbfd_nfyb_hmf(HMM:0.053),hi stone(HMM:4.1e-50)"
1573	9295_1.R1010	"cbfd_nfyb_hmf(HMM:0.074),hi stone(HMM:3.1e-47)"
1574	LIB3176-111-P1-K1-D7	"cbfd_nfyb_hmf(HMM:0.078),hi stone(HMM:4e-49)"
1575	751_1.R1010	cbfd_nfyb_hmf(HMM:1.2e-23)
1576	750_1.R1010	cbfd_nfyb_hmf(HMM:1.3e-21)
1577	750_2.R1010	cbfd_nfyb_hmf(HMM:1.3e-21)
1578	17669_1.R1010	cbfd_nfyb_hmf(HMM:1.6e-29)
1579	748_1.R1010	cbfd_nfyb_hmf(HMM:1e-37)
1580	749_1.R1010	cbfd_nfyb_hmf(HMM:4.9e-39)

1581	54638_1.R1010	cbfd_nfyb_hmf(HMM:5.7e-22)
1582	818_1.R1010	cbfd_nfyb_hmf(HMM:6.3e-30)
1583	LIB3176-087-P1-K1-A8	cbfd_nfyb_hmf(HMM:6e-09)
1584	4774_1.R1010	cbfd_nfyb_hmf(HMM:8e-23)
1585	LIB22-030-Q1-E1-F4	chromo(HMM:0.00065)
1586	8344_1.R1010	chromo(HMM:4.6e-19)
1587	1537_1.R1010	"csd(HMM:1.3e-21),zf-cchc(HMM:2.2e-14)"
1588	38643_1.R1010	csd(HMM:3.2e-19)
1589	1360_1.R1010	"csd(HMM:4.5e-22),zf-cchc(HMM:2.2e-14)"
1590	905705	csd(HMM:5.3e-21)
1591	22291_1.R1010	csd(HMM:6.8e-23)
1592	jC-atXLIB327425P3h08b1	dof(HMM:0.13)
1593	LIB3175-077-P1-K1-C12	dof(HMM:0.64)
1594	jC-atXLIB327417P2a09b1	dof(HMM:1.2e-35)
1595	424_1.R1010	dof(HMM:1.2e-36)
1596	16909_1.R1010	dof(HMM:1.4e-33)
1597	jC-atXLIB327410P4h02a1	dof(HMM:1.4e-34)
1598	PLN_g3386547	dof(HMM:1.4e-34)
1599	425_1.R1010	dof(HMM:1.6e-36)
1600	45689_1.R1010	dof(HMM:1.9e-34)
1601	4477_2.R1010	dof(HMM:1.9e-35)
1602	PLN_g1212758	dof(HMM:2.2e-36)
1603	63890_1.R1010	dof(HMM:2.3e-35)
1604	1800_1.R1010	dof(HMM:3.2e-35)
1605	43095_1.R1010	dof(HMM:3.5e-32)
1606	8932_1.R1010	dof(HMM:3.6e-35)
1607	1054280	dof(HMM:4.3e-35)
1608	541_2.R1010	dof(HMM:4.3e-36)
1609	541_4.R1010	dof(HMM:4.3e-36)
1610	931090	dof(HMM:4.6e-32)
1611	100709_1.R1010	dof(HMM:4.6e-36)
1612	LIB22-068-Q1-E1-C6	dof(HMM:5.1)
1613	21243_1.R1010	dof(HMM:5.1e-11)
1614	13728_1.R1010	dof(HMM:6.4e-33)
1615	5321_1.R1010	dof(HMM:6.9e-36)
1616	43095_2.R1010	dof(HMM:8.2e-32)
1617	2763897	dof(HMM:8.8e-29)
1618	LIB3234-033-P1-K1-A2	dpb(HMM:0.00035)
1619	397339	dpb(HMM:0.024)
1620	11557_3.R1010	dpb(HMM:1.5e-12)
1621	234_1.R1010	dpb(HMM:1.9e-92)
1622	52206_1.R1010	dpb(HMM:2.1e-66)
1623	jC-atXLIB327408P4a09b1	dpb(HMM:2.7e-62)
1624	2581633	dpb(HMM:3.2e-41)
1625	LIB3175-060-P1-K1-A12	dpb(HMM:3.3e-32)
1626	52206_2.R1010	dpb(HMM:3.6e-18)
1627	75516_1.R1010	dpb(HMM:4.5e-09)
1628	11557_1.R1010	dpb(HMM:5.6e-79)
1629	LIB3168-079-P1-K1-G7	enbp(HMM:1.1e-13)
1630	2445996	enbp(HMM:1.9e-10)
1631	958145	enbp(HMM:4.6e-06)
1632	LIB3234-010-P1-K1-A3	enbp(HMM:7.4e-15)

1633	5646_1.R1010	gata(HMM:0.016)
1634	82345_1.R1010	gata(HMM:0.023)
1635	1517312	gata(HMM:1.1e-14)
1636	1457_1.R1010	gata(HMM:1.1e-14)
1637	1455_1.R1010	gata(HMM:1.4e-14)
1638	1454_1.R1010	gata(HMM:1.7e-16)
1639	6981_1.R1010	gata(HMM:2.2e-08)
1640	8123_1.R1010	gata(HMM:2.2e-15)
1641	1456_1.R1010	gata(HMM:3.3e-15)
1642	61173_2.R1010	gata(HMM:3.9e-14)
1643	jC-atXP102CE2F7T7b1	gld-tea(HMM:0.00099)
1644	25183_1.R1010	gld-tea(HMM:1.1e-30)
1645	28489_1.R1010	gld-tea(HMM:1.1e-36)
1646	118662_1.R1010	gld-tea(HMM:1.7e-16)
1647	487_1.R1010	"gld-tea(HMM:1e-41),response_reg(HMM:7.4e-35)"
1648	27775_1.R1010	gld-tea(HMM:2.1e-29)
1649	PLN_g3549642	"gld-tea(HMM:2.3e-24),response_reg(HMM:3.3e-18)"
1650	934014	gld-tea(HMM:2.3e-31)
1651	18366_1.R1010	gld-tea(HMM:2.3e-32)
1652	22389_1.R1010	gld-tea(HMM:2.4e-30)
1653	2759436	gld-tea(HMM:2.6)
1654	634463	gld-tea(HMM:2.6e-30)
1655	LIB22-078-Q1-E1-G2	gld-tea(HMM:3.3e-41)
1656	52617_1.R1010	gld-tea(HMM:5.4e-37)
1657	LIB24-005-Q1-E1-F2	gld-tea(HMM:5.8e-06)
1658	266_1.R1010	"gld-tea(HMM:6.1e-43),response_reg(HMM:5.3e-34)"
1659	1401_1.R1010	gld-tea(HMM:6.4e-38)
1660	21599_1.R1010	gld-tea(HMM:8.2e-07)
1661	26342_1.R1010	gld-tea(HMM:8.4e-23)
1662	30703_1.R1010	gld-tea(HMM:8.5e-28)
1663	LIB3176-021-P1-K1-G10	gld-tea(HMM:8.7e-10)
1664	34019_1.R1010	gld-tea(HMM:8.8e-38)
1665	PLN_g3549640	"gld-tea(HMM:8.8e-38),response_reg(HMM:3.8e-38)"
1666	jC-atXP86CG9E6T7d2	"gld-tea(HMM:8.9e-19),response_reg(HMM:8.4e-36)"
1667	102479_1.R1010	gld-tea(HMM:9.2e-17)
1668	LIB3176-085-P1-K1-E8	hist_deacetyl(HMM:0.00075)
1669	78223_1.R1010	hist_deacetyl(HMM:0.0019)
1670	jC-atXP118C145L23092d2	hist_deacetyl(HMM:0.012)
1671	2764107	hist_deacetyl(HMM:0.25)
1672	17470_1.R1010	hist_deacetyl(HMM:1.4e-35)
1673	6666_1.R1010	hist_deacetyl(HMM:1.6e-16)
1674	35178_1.R1010	hist_deacetyl(HMM:1.7e-11)
1675	1576_1.R1010	hist_deacetyl(HMM:4.5e-181)
1676	LIB3234-041-P1-K1-H9	hist_deacetyl(HMM:7.7e-12)

1677	18274_1.R1010	hist_deacetyl(HMM:8.2e-18)
1678	jC-alXLIB327434P1h10a1	hist_deacetyl(HMM:9.3e-16)
1679	2758327	histone(HMM:0.0002)
1680	jC-alX24124Q1E1H01b1	histone(HMM:0.00055)
1681	jC-atX25021Q1E1G06a1	histone(HMM:0.003)
1682	LIB3176-119-P2-K1-D9	histone(HMM:0.0039)
1683	2733927	histone(HMM:0.026)
1684	LIB24-135-Q1-E1-G8	histone(HMM:0.05)
1685	jC-atXLIB327420P2a07a2	histone(HMM:0.064)
1686	2597368	histone(HMM:0.084)
1687	jC-atXLIB327413P4c02b1	histone(HMM:0.27)
1688	jC-atXLIB327429P4a06b2	histone(HMM:0.7)
1689	16709	histone(HMM:0.85)
1690	936530	histone(HMM:1.1)
1691	27124_3.R1010	histone(HMM:1.1)
1692	716_5.R1010	histone(HMM:1.1e-46)
1693	LIB25-044-Q1-E1-B10	histone(HMM:1.2)
1694	22083_3.R1010	histone(HMM:1.2e-16)
1695	LIB3175-017-P1-K1-E3	histone(HMM:1.2e-24)
1696	2612_1.R1010	histone(HMM:1.2e-43)
1697	LIB3177-019-P1-K2-B11	histone(HMM:1.3e-07)
1698	715_1.R1010	histone(HMM:1.3e-43)
1699	68_1.R1010	histone(HMM:1.3e-46)
1700	7751_1.R1010	histone(HMM:1.3e-46)
1701	716_2.R1010	histone(HMM:1.4e-31)
1702	8542_4.R1010	histone(HMM:1.4e-34)
1703	8542_2.R1010	histone(HMM:1.5e-12)
1704	1053603	histone(HMM:1.6e-27)
1705	11560_1.R1010	histone(HMM:1e-18)
1706	13777_1.R1010	histone(HMM:1e-18)
1707	13777_2.R1010	histone(HMM:1e-18)
1708	22083_1.R1010	histone(HMM:1e-18)
1709	22083_2.R1010	histone(HMM:1e-18)
1710	22083_4.R1010	histone(HMM:1e-18)
1711	LIB3176-057-P1-K1-D11	histone(HMM:1e-46)
1712	716_3.R1010	histone(HMM:1e-48)
1713	jC-atXP15C106F1T7014a1	histone(HMM:1e-48)
1714	10163_3.R1010	histone(HMM:2.1e-29)
1715	68_3.R1010	histone(HMM:2.1e-30)
1716	LIB24-095-Q1-E1-F3	histone(HMM:2.3e-07)
1717	68_6.R1010	histone(HMM:2.4e-28)
1718	11215_1.R1010	histone(HMM:2.5e-42)
1719	716_1.R1010	histone(HMM:2.5e-48)
1720	jC-atXLIB327420P2a03a2	histone(HMM:2.8e-08)
1721	LIB3176-038-P1-K1-A3	histone(HMM:2.8e-40)
1722	LIB3175-021-P1-K1-D3	histone(HMM:3.2e-24)
1723	LIB3176-027-P1-K1-F11	histone(HMM:3.8e-46)
1724	862_1.R1010	histone(HMM:3.9e-39)
1725	1217149	histone(HMM:3e-27)
1726	LIB3176-118-P2-K1-B11	histone(HMM:3e-39)
1727	LIB25-036-Q1-E1-B4	histone(HMM:4.2e-14)
1728	LIB25-057-Q1-E1-E3	histone(HMM:4.2e-14)
1729	jC-atXLIB327427P4b02a2	histone(HMM:4.7e-14)
1730	77_6.R1010	histone(HMM:4.8e-47)

1731	8542_1.R1010	histone(HMM:4.8e-47)
1732	8542_3.R1010	histone(HMM:4.8e-47)
1733	jC-atXLIB327407Pla06b2	histone(HMM:4.9e-05)
1734	68_5.R1010	histone(HMM:4e-22)
1735	LIB3175-015-P1-K1-E7	histone(HMM:5.1e-15)
1736	LIB25-102-Q1-E1-G8	histone(HMM:5.1e-17)
1737	716_6.R1010	histone(HMM:5.1e-45)
1738	27124_4.R1010	histone(HMM:5.3e-13)
1739	LIB3177-013-P1-K2-F8	histone(HMM:5.3e-19)
1740	8397_1.R1010	histone(HMM:5.3e-52)
1741	LIB25-104-Q1-E1-C11	histone(HMM:5.4e-08)
1742	LIB3177-019-P1-K1-B5	histone(HMM:5.8)
1743	10163_1.R1010	histone(HMM:5.8e-50)
1744	LIB24-125-Q1-E1-F5	histone(HMM:6.1e-05)
1745	LIB3175-033-P1-K1-A2	histone(HMM:6.2e-14)
1746	17255_1.R1010	histone(HMM:6.5e-37)
1747	jC-atXP96CH2D3T7b1	histone(HMM:6.9e-44)
1748	LIB3176-033-P1-K1-B1	histone(HMM:7.3e-25)
1749	153419_1.R1010	histone(HMM:7.6e-35)
1750	LIB3168-032-P1-K1-D3	histone(HMM:7.8e-14)
1751	13669_1.R1010	histone(HMM:8.2e-07)
1752	716_4.R1010	histone(HMM:8.3e-26)
1753	2733879	histone(HMM:8.4e-11)
1754	LIB3177-096-P1-K1-A8	histone(HMM:8.8e-19)
1755	27124_1.R1010	histone(HMM:9.5e-50)
1756	2758283	histone(HMM:9.7e-13)
1757	31420_1.R1010	hlh(HMM:0.0018)
1758	LIB3176-112-P1-K1-G6	hlh(HMM:0.0038)
1759	jC-atXB810f2	hlh(HMM:0.0055)
1760	17198_1.R1010	hlh(HMM:0.008)
1761	87116_1.R1010	hlh(HMM:0.013)
1762	117793_1.R1010	hlh(HMM:0.019)
1763	119888_1.R1010	hlh(HMM:0.025)
1764	71697_1.R1010	hlh(HMM:0.04)
1765	116704_1.R1010	hlh(HMM:0.048)
1766	jC-atXP104CE10B1T7b1	hlh(HMM:0.08)
1767	LIB24-109-Q1-E1-B3	hlh(HMM:0.092)
1768	35834_1.R1010	hlh(HMM:0.13)
1769	20469_1.R1010	hlh(HMM:1.1e-07)
1770	6545_1.R1010	hlh(HMM:1.2e-12)
1771	72703_1.R1010	hlh(HMM:1.2e-14)
1772	27829_1.R1010	hlh(HMM:1.3e-09)
1773	46829_2.R1010	hlh(HMM:1.5e-07)
1774	33631_1.R1010	hlh(HMM:2.3e-07)
1775	53493_1.R1010	hlh(HMM:2.3e-12)
1776	4019_2.R1010	hlh(HMM:2.6e-05)
1777	11026_1.R1010	hlh(HMM:2.7e-13)
1778	10361_1.R1010	hlh(HMM:2.8e-06)
1779	34071_1.R1010	hlh(HMM:3.1e-09)
1780	1520719	hlh(HMM:3.5e-09)
1781	115339_1.R1010	hlh(HMM:3.5e-09)
1782	115339_2.R1010	hlh(HMM:3.5e-09)
1783	1622_1.R1010	hlh(HMM:3.5e-15)
1784	38578_1.R1010	hlh(HMM:3.7e-09)

1785	LIB24-131-Q1-E1-G6	hlh(HMM:3e-07)
1786	349_1.R1010	hlh(HMM:4.4e-15)
1787	634586	hlh(HMM:6.7e-15)
1788	4766_1.R1010	hlh(HMM:7.1e-06)
1789	4019_3.R1010	hlh(HMM:7.3e-07)
1790	ARABL1-044-Q1-E1-D5	hlh(HMM:7.8e-05)
1791	jC-atXP123C118M3T7086a1	hlh(HMM:7.9e-12)
1792	LIB3234-048-P1-K1-B10	hlh(HMM:7e-05)
1793	1828_1.R1010	hlh(HMM:8.7e-17)
1794	32520_1.R1010	hlh(HMM:8.8e-10)
1795	jC-atXB810a2	hlh(HMM:9.3)
1796	501883	hlh(HMM:9.7)
1797	80254_1.R1010	hmg_box(HMM:0.0019)
1798	jC-alXLIB327436P3d04b1	hmg_box(HMM:0.0021)
1799	jC-atXP26C128I4T7007a1	hmg_box(HMM:0.0023)
1800	jC-atXP26C126I14T7089a1	hmg_box(HMM:0.0031)
1801	jC-atXP53C184I7T7093d1	hmg_box(HMM:0.0039)
1802	LIB3176-115-P2-K1-H1	hmg_box(HMM:0.0078)
1803	jC-atXP26C126F19T7049a1	hmg_box(HMM:0.015)
1804	16353_1.R1010	hmg_box(HMM:0.016)
1805	879_1.R1010	hmg_box(HMM:1.1e-25)
1806	876_10.R1010	hmg_box(HMM:1.2e-17)
1807	876_3.R1010	hmg_box(HMM:1.4)
1808	jC-atXP26C128L23T7016a1	hmg_box(HMM:1.6e-09)
1809	907193	hmg_box(HMM:2.5e-08)
1810	116866_1.R1010	hmg_box(HMM:2.5e-13)
1811	877_3.R1010	hmg_box(HMM:2e-28)
1812	876_5.R1010	hmg_box(HMM:3.3e-31)
1813	7619_1.R1010	hmg_box(HMM:3.8e-06)
1814	875_1.R1010	hmg_box(HMM:3.8e-30)
1815	876_1.R1010	hmg_box(HMM:3.8e-31)
1816	880_1.R1010	hmg_box(HMM:3.9e-29)
1817	jC-atXP26C124O14T7020a1	hmg_box(HMM:4.2)
1818	jC-atXP96CH2C4T7b1	hmg_box(HMM:4.7e-23)
1819	877_1.R1010	hmg_box(HMM:5.2e-33)
1820	877_2.R1010	hmg_box(HMM:5.2e-33)
1821	jC-atXP26C126K18T7090a1	hmg_box(HMM:5.4e-23)
1822	jC-atXP26C124N23T7004a1	hmg_box(HMM:6.4e-08)
1823	859_1.R1010	hmg_box(HMM:8e-20)
1824	903_1.R1010	"homeobox(HMM:0.00014),phd(HMM:4.1e-14)"
1825	1938_1.R1010	"homeobox(HMM:0.00023),homeobox_knox3(5.8e-36)"
1826	LIB3176-029-P1-K1-C6	homeobox(HMM:0.00066)
1827	515609	"homeobox(HMM:0.0048),homeobox_knox3(9.0e-13),homeobox_mat(0.0006)"
1828	990_1.R1010	"homeobox(HMM:0.008),homeobox_knox3(7.1e-22)"
1829	992_1.R1010	"homeobox(HMM:0.0082),homeobox_knox3(1.7e-21)"
1830	1362_1.R1010	"homeobox(HMM:0.0089),homeobox_knox3(1.2e-12)"
1831	991_1.R1010	"homeobox(HMM:0.011),homeo

1832	906539	box_knox3(2.4e-22)"
1833	jC-atXLIB327408P2c09a1	"homeobox(HMM:0.016),homeobox_knox3(6.5e-23)"
1834	713_1.R1010	"homeobox(HMM:0.036),homeobox_knox3(3.0e-10)"
1835	PLN_g424105	"homeobox(HMM:0.036),homeobox_knox3(4.5e-10)"
1836	20074_1.R1010	homeobox(HMM:0.054)
1837	987718	homeobox(HMM:0.13)
1838	24020_1.R1010	homeobox(HMM:0.89)
1839	304_1.R1010	homeobox(HMM:1.1e-16)
1840	906459	homeobox(HMM:1.2e-17)
1841	13184_1.R1010	homeobox(HMM:1.2e-18)
1842	523_1.R1010	homeobox(HMM:1.2e-18)
1843	1945_1.R1010	homeobox(HMM:1.4e-19)
1844	786_1.R1010	homeobox(HMM:1.5e-17)
1845	jC-atXP65C208D10T7085d1	homeobox(HMM:1.6e-20)
1846	1548_2.R1010	homeobox(HMM:1.6e-20)
1847	LIB35-011-Q1-E1-H5	homeobox(HMM:1.9e-14)
1848	16351_1.R1010	homeobox(HMM:2.1e-08)
1849	PLN_g1694712	homeobox(HMM:2.3e-18)
1850	526_1.R1010	homeobox(HMM:2.6e-15)
1851	524_2.R1010	"homeobox(HMM:2.7e-05),homeobox_knox3(1.0e-32)"
1852	12540_1.R1010	homeobox(HMM:2.9e-11)
1853	1517240	homeobox(HMM:2e-15)
1854	787_6.R1010	homeobox(HMM:3.4e-14)
1855	PLN_g16333	homeobox(HMM:3.5e-19)
1856	PLN_g16325	homeobox(HMM:3.5e-19)
1857	786_5.R1010	"homeobox(HMM:4.2e-05),phd(HMM:5.4e-14)"
1858	9463_1.R1010	homeobox(HMM:4.2e-11)
1859	307_1.R1010	homeobox(HMM:4.3e-13)
1860	525_1.R1010	homeobox(HMM:4.3e-15)
1861	6707_1.R1010	homeobox(HMM:4.6e-18)
1862	524_1.R1010	homeobox(HMM:4.7)
1863	69_1.R1010	homeobox(HMM:4.8e-19)
1864	PLN_g16178	homeobox(HMM:4e-16)
1865	1433_1.R1010	homeobox(HMM:4e-16)
1866	306_1.R1010	homeobox(HMM:5.1e-20)
1867	305_1.R1010	homeobox(HMM:5.5e-15)
1868	63323_1.R1010	homeobox(HMM:6.4e-15)
1869	786_3.R1010	homeobox(HMM:7.7e-18)
1870	jC-atXP112C132D23T7a1	homeobox(HMM:7.8e-16)
1871	jC-atXP82CG2G3T7d3	homeobox(HMM:8.7e-14)
1872	LIB3176-040-P1-K1-F6	homeobox_knox3(3.9e-27)
1873	1268568	homeobox_knox3(4.6e-07)
1874	2759253	homeobox_knox3(9.4e-13)
1875	2996_1.R1010	hsf_dna-bind(HMM:0.28)
1876	944_1.R1010	hsf_dna-bind(HMM:1.1e-22)
1877	119770_1.R1010	hsf_dna-bind(HMM:1.2e-65)
1878	jC-atXP124C125H21T7d1	hsf_dna-bind(HMM:1.5e-39)
1879	13823_1.R1010	hsf_dna-bind(HMM:1.6e-11)
		hsf_dna-bind(HMM:1e-36)

1880	268_1.R1010	hsf_dna-bind(HMM:2.6e-98)
1881	PLN_g3256067	hsf_dna-bind(HMM:3.3e-89)
1882	5332_1.R1010	hsf_dna-bind(HMM:6.4e-39)
1883	30824_1.R1010	hsf_dna-bind(HMM:8.1e-52)
1884	957701	hsf_dna-bind(HMM:9.9e-06)
1885	32489_1.R1010	hsf_dna-bind(HMM:9e-12)
1886	11068_1.R1010	iaa(HMM:0.0001)
1887	67079_1.R1010	iaa(HMM:0.00017)
1888	jC-atXP66C210I12T7005a1	iaa(HMM:0.0002)
1889	2122_2.R1010	iaa(HMM:0.00027)
1890	jC-atXLIB327433P2a08a1	iaa(HMM:0.00032)
1891	18819_1.R1010	iaa(HMM:0.00095)
1892	jC-atXP102CE3H6T7b1	iaa(HMM:0.0037)
1893	80560_1.R1010	iaa(HMM:0.0062)
1894	4542_1.R1010	iaa(HMM:0.034)
1895	2581617	iaa(HMM:0.041)
1896	ARABL1-027-Q1-B1-E5	iaa(HMM:0.068)
1897	1980_2.R1010	iaa(HMM:0.075)
1898	623623	iaa(HMM:0.083)
1899	1829_1.R1010	iaa(HMM:1.1e-51)
1900	25194_1.R1010	iaa(HMM:1.2e-08)
1901	183_2.R1010	iaa(HMM:1.4e-54)
1902	LIB3177-097-P1-K1-D6	iaa(HMM:1.5e-15)
1903	1980_1.R1010	iaa(HMM:1.5e-69)
1904	123277_1.R1010	iaa(HMM:1.6e-19)
1905	1827_1.R1010	iaa(HMM:1.6e-68)
1906	PLN_g16198	iaa(HMM:1.7e-51)
1907	LIB3176-041-P1-K1-A5	iaa(HMM:1.9e-15)
1908	2122_1.R1010	iaa(HMM:1e-45)
1909	jC-atXLIB327412P4c02b1	iaa(HMM:1e-45)
1910	45287_1.R1010	iaa(HMM:1e-51)
1911	jC-atXP4C88I23T7076a1	iaa(HMM:2.1e-28)
1912	PLN_g972932	iaa(HMM:2.6e-09)
1913	32268_1.R1010	iaa(HMM:2e-09)
1914	2581664	iaa(HMM:3.1e-21)
1915	78392_1.R1010	iaa(HMM:3.1e-61)
1916	jC-atXLIB327411P1f02a1	iaa(HMM:3.4e-44)
1917	183_3.R1010	iaa(HMM:3.4e-58)
1918	25194_2.R1010	iaa(HMM:3.5e-45)
1919	jC-atXP60C198O12T7040d1	iaa(HMM:4.3e-12)
1920	59298_1.R1010	iaa(HMM:4.4e-18)
1921	61018_1.R1010	iaa(HMM:4.7e-07)
1922	jC-atXP71C222G9T7s2	iaa(HMM:6.1e-05)
1923	23678_1.R1010	iaa(HMM:6.9e-69)
1924	210_1.R1010	iaa(HMM:6e-65)
1925	54_1.R1010	iaa(HMM:7.1e-61)
1926	jC-atXLIB327414P2b04a1	iaa(HMM:7.7e-05)
1927	8884_1.R1010	iaa(HMM:9.3e-66)
1928	LIB3177-048-P1-K1-C12	iaa(HMM:9.8e-10)
1929	LIB24-080-Q1-E1-D11	ibr(HMM:6.6e-05)
1930	906045	k-box(HMM:0.0013)
1931	906457	"k-box(HMM:0.0081),srf- tf(HMM:2.5e-16)"
1932	103229_2.R1010	k-box(HMM:1.3e-23)

1933	PLN_g3719214	"k-box(HMM:1.3e-23),srf- tf(HMM:5.9e-34)"
1934	PLN_g1737494	"k-box(HMM:1.5e-32),srf- tf(HMM:1.7e-37)"
1935	1917_1.R1010	"k-box(HMM:1.5e-37),srf- tf(HMM:1.3e-37)"
1936	jC-atX22033Q1E2A09a1	k-box(HMM:1.6)
1937	1583_1.R1010	"k-box(HMM:1.6e-39),srf- tf(HMM:7.5e-38)"
1938	508_1.R1010	"k-box(HMM:1.6e-42),srf- tf(HMM:8.5e-37)"
1939	738_1.R1010	"k-box(HMM:1.7e-41),srf- tf(HMM:7.5e-38)"
1940	740_3.R1010	"k-box(HMM:1.8e-06),srf- tf(HMM:5.1e-36)"
1941	PLN_g1019924	"k-box(HMM:1.9e-38),srf- tf(HMM:2.9e-38)"
1942	871_1.R1010	"k-box(HMM:1e-28),srf- tf(HMM:1.1e-33)"
1943	752_1.R1010	"k-box(HMM:1e-28),srf- tf(HMM:2.4e-37)"
1944	740_2.R1010	"k-box(HMM:2.1e-15),srf- tf(HMM:5.1e-36)"
1945	8965_1.R1010	"k-box(HMM:2.2e-13),srf- tf(HMM:7.6e-36)"
1946	1351_1.R1010	"k-box(HMM:3.4e-41),srf- tf(HMM:2.8e-37)"
1947	906325	k-box(HMM:3.6e-18)
1948	PLN_g862641	"k-box(HMM:3.6e-32),srf- tf(HMM:1.8e-35)"
1949	2747387	"k-box(HMM:4.5),srf- tf(HMM:1.1e-33)"
1950	1216678	k-box(HMM:5.1e-15)
1951	1871_1.R1010	"k-box(HMM:5.2e-11),srf- tf(HMM:5.1e-32)"
1952	740_1.R1010	"k-box(HMM:5.6e-43),srf- tf(HMM:5.6e-36)"
1953	1919_1.R1010	"k-box(HMM:5e-24),srf- tf(HMM:2.6e-32)"
1954	2747374	"k-box(HMM:6.2),srf- tf(HMM:5e-37)"
1955	504_1.R1010	"k-box(HMM:6.7e-25),srf- tf(HMM:5.5e-36)"
1956	119869_1.R1010	k-box(HMM:6.9e-06)
1957	jC-atXLIB327408P1d08b1	"k-box(HMM:6.9e-15),srf- tf(HMM:8.1e-35)"
1958	739_1.R1010	"k-box(HMM:7.7e-40),srf- tf(HMM:1.1e-37)"
1959	14225_1.R1010	"k-box(HMM:8.3e-06),srf- tf(HMM:1.5e-27)"
1960	8965_3.R1010	k-box(HMM:8.5e-13)
1961	jC-atXLIB327423P2e10b1	keyword:14-3-3(1.0e-10)
1962	jC-atXLIB327424P1b02a1	keyword:14-3-3(1.0e-155)
1963	LIB25-093-Q1-E1-E6	keyword:14-3-3(1.0e-76)

1964	jC-atXLIB327413P3f01b1	keyword:14-3-3(2.0e-37)
1965	jC-atXLIB327413P4g01a1	keyword:14-3-3(2.0e-56)
1966	jC-atXLIB327409P4c08a1	keyword:AGAMOUS(7.0e-30)
1967	ARABL1-032-Q1-E1-B3	keyword:AGL(1.0e-125)
1968	ARABL1-031-Q1-E1-G9	keyword:AGL(2.0e-14)
1969	ARABL1-031-Q1-E1-B12	keyword:AGL(4.0e-34)
1970	12865_1.R1010	keyword:AGL(6.0e-41)
1971	935541	keyword:ap2(0.0e+00)
1972	132752_1.R1010	keyword:ap2(0.0e+00)
1973	419_1.R1010	keyword:ap2(0.0e+00)
1974	4655_1.R1010	keyword:ap2(0.0e+00)
1975	3449953	keyword:ap2(1.0e-08)
1976	LIB22-004-Q1-E1-D12	keyword:ap2(1.0e-16)
1977	3450179	keyword:ap2(1.0e-170)
1978	5199_2.R1010	keyword:ap2(1.0e-20)
1979	LIB3176-022-P1-K1-F12	keyword:ap2(1.0e-25)
1980	jC-atXLIB327416P3g11b1	keyword:ap2(1.0e-78)
1981	jC-atXP89CG6A8T7092d1	keyword:ap2(2.0e-14)
1982	jC-atXLIB327434P2c11a1	keyword:ap2(2.0e-22)
1983	2749550	keyword:ap2(2.0e-33)
1984	77044_1.R1010	keyword:ap2(2.0e-34)
1985	496444	keyword:ap2(2.0e-66)
1986	5255_1.R1010	keyword:ap2(2.0e-77)
1987	4590_1.R1010	keyword:ap2(2.0e-81)
1988	LIB3175-077-P1-K1-F9	keyword:ap2(3.0e-25)
1989	2393175	keyword:ap2(3.0e-34)
1990	jC-atXP66C210C17T7011a1	keyword:ap2(3.0e-51)
1991	470_5.R1010	keyword:ap2(3.0e-52)
1992	2218_1.R1010	keyword:ap2(3.0e-57)
1993	jC-atXLIB327413P2a08b1	keyword:ap2(3.0e-67)
1994	jC-atXP83C241K21T7050a1	keyword:ap2(4.0e-09)
1995	jC-atXP53C185C24T7023d1	keyword:ap2(4.0e-17)
1996	LIB22-071-Q1-E1-A2	keyword:ap2(4.0e-39)
1997	501884	keyword:ap2(4.0e-50)
1998	jC-atXLIB327432P4f01a1	keyword:ap2(6.0e-25)
1999	jC-atXLIB327440P3e04a1	keyword:ap2(6.0e-35)
2000	2218_2.R1010	keyword:ap2(7.0e-27)
2001	2393624	keyword:ap2(7.0e-42)
2002	91510_1.R1010	keyword:ap2(8.0e-33)
2003	5715_2.R1010	keyword:ap2(8.0e-77)
2004	jC-atXP6C90J5T7s1	keyword:ap2(9.0e-43)
2005	467_1.R1010	keyword:AT-hook(1.0e-172)
2006	LIB22-063-Q1-E1-C11	keyword:AT-hook(1.0e-25)
2007	jC-atXLIB327404P4a08b1	keyword:AT-hook(1.0e-40)
2008	LIB3176-027-P1-K1-C11	keyword:AT-hook(3.0e-16)
2009	1318_1.R1010	keyword:bzip(0.0e+00)
2010	jC-atXLIB327407P1g04a2	"keyword:bzip(1.0e-17),keyword:homeobox(1.0e-17)"
2011	21876_1.R1010	keyword:bzip(1.0e-31)
2012	905603	keyword:bzip(1.0e-53)
2013	1053939	keyword:bzip(1.0e-55)
2014	38177_1.R1010	keyword:bzip(1.0e-61)
2015	402964	keyword:bzip(2.0e-13)

2016	jC-atXLIB327410P4h11a1	"keyword:bzip(2.0e-35),keyword:homeobox(2.0e-35)"
2017	LIB24-064-Q1-E1-G3	keyword:bzip(2.0e-43)
2018	LIB22-009-Q1-E1-D7	"keyword:bzip(2.0e-46),keyword:homeobox(2.0e-46)"
2019	LIB3234-041-P1-K1-H6	keyword:bzip(2.0e-53)
2020	jC-atXLIB327424P4g06b1	keyword:bzip(3.0e-19)
2021	jC-atXLIB327439P2f05a2	"keyword:bzip(3.0e-19),keyword:homeobox(3.0e-19)"
2022	1318_2.R1010	keyword:bzip(3.0e-24)
2023	LIB3234-048-P1-K1-F4	keyword:bzip(3.0e-32)
2024	94252_2.R1010	"keyword:bzip(3.0e-62),keyword:homeobox(3.0e-62)"
2025	jC-atXLIB327430P2h03a1	"keyword:bzip(4.0e-11),keyword:homeobox(4.0e-11)"
2026	402959	keyword:bzip(4.0e-66)
2027	jC-atXLIB327404P4f06a1	keyword:bzip(6.0e-24)
2028	jC-atX24066Q1E1D09b1	keyword:bzip(6.0e-42)
2029	LIB24-083-Q1-E1-C4	keyword:bzip(7.0e-31)
2030	94252_1.R1010	"keyword:bzip(7.0e-71),keyword:homeobox(7.0e-71)"
2031	29979_1.R1010	keyword:bzip(7.0e-98)
2032	56920_1.R1010	keyword:CONSTANS(1.0e-136)
2033	jC-atXLIB327432P4g06a1	keyword:CONSTANS(1.0e-17)
2034	84391_1.R1010	keyword:CONSTANS(1.0e-178)
2035	2750018	keyword:CONSTANS(1.0e-57)
2036	21891_1.R1010	keyword:CONSTANS(2.0e-15)
2037	jC-atXLIB327416P2e02a1	keyword:CONSTANS(2.0e-23)
2038	jC-atXLIB327416P2e02b1	keyword:CONSTANS(2.0e-71)
2039	jC-atXLIB327416P4e05b1	keyword:CONSTANS(2.0e-74)
2040	84077_1.R1010	keyword:CONSTANS(3.0e-35)
2041	394825	keyword:CONSTANS(4.0e-09)
2042	13864_1.R1010	keyword:CONSTANS(5.0e-25)
2043	15277_1.R1010	keyword:CONSTANS(5.0e-32)
2044	84077_3.R1010	keyword:CONSTANS(9.0e-25)
2045	1420_1.R1010	keyword:dna-binding(0.0e+00)
2046	3546_2.R1010	keyword:dna-binding(0.0e+00)
2047	24889_3.R1010	keyword:dna-binding(1.0e-08)
2048	54355_1.R1010	keyword:dna-binding(1.0e-09)
2049	jC-alXLIB327434P3b03b1	keyword:dna-binding(1.0e-102)
2050	315534	keyword:dna-binding(1.0e-11)
2051	jC-atXLIB327413Q1B1C08b1	keyword:dna-binding(1.0e-12)
2052	jC-atXLIB327418P3e11a2	keyword:dna-binding(1.0e-18)
2053	jC-atXP118C155O7T7096a1	keyword:dna-binding(1.0e-20)
2054	LIB22-045-Q1-E1-A8	keyword:dna-binding(1.0e-20)
2055	LIB3176-009-P1-K2-E12	keyword:dna-binding(1.0e-32)
2056	50530_1.R1010	keyword:dna-binding(1.0e-37)
2057	33009_1.R1010	keyword:dna-binding(1.0e-39)

2058	4524_1.R1010	keyword:dna-binding(1.0e-43)
2059	36029_1.R1010	keyword:dna-binding(1.0e-45)
2060	315971	keyword:dna-binding(1.0e-47)
2061	jC-atXP122C120F1T7052a1	keyword:dna-binding(1.0e-47)
2062	119764_1.R1010	keyword:dna-binding(1.0e-50)
2063	LIB24-001-Q1-E1-F8	keyword:dna-binding(1.0e-53)
2064	84130_1.R1010	keyword:dna-binding(2.0e-10)
2065	jC-atXP15C106F5T7d1	keyword:dna-binding(2.0e-11)
2066	jC-atXLIB327416P3h10b1	keyword:dna-binding(2.0e-12)
2067	LIB146-006-Q1-E1-A10	keyword:dna-binding(2.0e-23)
2068	LIB3177-088-P1-K1-C2	keyword:dna-binding(2.0e-25)
2069	2048226	keyword:dna-binding(2.0e-26)
2070	LIB3168-045-P1-K1-F9	keyword:dna-binding(2.0e-31)
2071	LIB3175-024-P1-K1-F6	keyword:dna-binding(2.0e-40)
2072	28466_1.R1010	keyword:dna-binding(2.0e-41)
2073	12312_3.R1010	keyword:dna-binding(2.0e-56)
2074	49568_1.R1010	keyword:dna-binding(2.0e-67)
2075	72470_1.R1010	keyword:dna-binding(2.0e-75)
2076	jC-atXP32C147L20T7d2	keyword:dna-binding(2.0e-98)
2077	jC-atXP20C115I5T7095a1	keyword:dna-binding(3.0e-09)
2078	115981_1.R1010	keyword:dna-binding(3.0e-11)
2079	LIB3176-101-P1-K1-A8	keyword:dna-binding(3.0e-14)
2080	33537_1.R1010	keyword:dna-binding(3.0e-21)
2081	LIB3175-029-P1-K1-H1	keyword:dna-binding(3.0e-29)
2082	22735_1.R1010	keyword:dna-binding(3.0e-37)
2083	2597524	keyword:dna-binding(3.0e-46)
2084	LIB3168-050-P1-K1-B3	keyword:dna-binding(3.0e-76)
2085	12312_1.R1010	keyword:dna-binding(4.0e-15)
2086	31356_1.R1010	keyword:dna-binding(4.0e-19)
2087	jC-atXLIB327432P3d03a1	keyword:dna-binding(4.0e-50)
2088	12312_2.R1010	keyword:dna-binding(4.0e-53)
2089	12570_1.R1010	keyword:dna-binding(4.0e-56)
2090	2413873	keyword:dna-binding(5.0e-09)
2091	jC-alX24092Q1E1A05a1	keyword:dna-binding(5.0e-14)
2092	jC-atXLIB327428P1h11b2	keyword:dna-binding(5.0e-26)
2093	12570_3.R1010	keyword:dna-binding(5.0e-49)
2094	LIB3175-019-P1-K1-D10	keyword:dna-binding(5.0e-51)
2095	12570_4.R1010	keyword:dna-binding(6.0e-18)
2096	jC-atXLIB327417P2e01a1	keyword:dna-binding(6.0e-29)
2097	116933_1.R1010	keyword:dna-binding(6.0e-39)
2098	12570_2.R1010	keyword:dna-binding(6.0e-60)
2099	jC-atXP32C147M6T7d2	keyword:dna-binding(6.0e-84)
2100	3450011	keyword:dna-binding(6.0e-86)
2101	2596745	keyword:dna-binding(7.0e-25)
2102	24889_1.R1010	keyword:dna-binding(7.0e-29)
2103	LIB3175-037-P1-K1-B1	keyword:dna-binding(8.0e-20)
2104	jC-atXLIB327424P1b01a1	keyword:dna-binding(8.0e-46)
2105	905518	keyword:dna-binding(8.0e-56)
2106	jC-atXLIB327407P3g01b1	keyword:dna-binding(9.0e-14)
2107	2748159	keyword:dna-binding(9.0e-15)
2108	LIB3177-019-P1-K1-B4	keyword:dna-binding(9.0e-22)
2109	LIB23-006-Q1-E1-F3	keyword:dna-binding(9.0e-53)
2110	LIB24-013-Q1-E1-E4	keyword:enbp(2.0e-27)
2111	80146_1.R1010	keyword:helix-loop-helix(1.0e-

2112	jC-atXP71C221K10T7s2	51) "keyword:helix-loop-helix(1.0e-51),keyword:dna-binding(1.0e-51)"
2113	29033_2.R1010	"keyword:helix-loop-helix(2.0e-16),keyword:dna-binding(2.0e-16)"
2114	24208_1.R1010	"keyword:helix-loop-helix(3.0e-35),keyword:dna-binding(3.0e-35)"
2115	29033_1.R1010	"keyword:helix-loop-helix(3.0e-56),keyword:dna-binding(3.0e-56)"
2116	27932_1.R1010	keyword:homeobox(1.0e-100)
2117	8022_1.R1010	keyword:homeobox(1.0e-104)
2118	jC-atXLIB327421P4f06b1	"keyword:homeobox(1.0e-14),keyword:homeodomain(1.0e-14)"
2119	jC-atXLIB327427P2a01b1	"keyword:homeobox(1.0e-20),keyword:Leucine-zipper(1.0e-20)"
2120	jC-atXLIB327412P1h09b1	keyword:homeobox(1.0e-28)
2121	787_3.R1010	keyword:homeobox(1.0e-31)
2122	LIB3175-052-P1-K1-E12	keyword:homeobox(1.0e-66)
2123	2763037	"keyword:homeobox(2.0e-14),keyword:Leucine-zipper(2.0e-14)"
2124	jC-atXLIB327412P1f09b1	"keyword:homeobox(2.0e-19),keyword:Leucine-zipper(2.0e-19)"
2125	4534_1.R1010	keyword:homeobox(2.0e-33)
2126	524_3.R1010	"keyword:homeobox(2.0e-36),keyword:Leucine-zipper(2.0e-36)"
2127	937_3.R1010	keyword:homeobox(2.0e-94)
2128	32367_1.R1010	keyword:homeobox(3.0e-09)
2129	jC-atXP31C147D12T7d2	keyword:homeobox(3.0e-48)
2130	991_3.R1010	keyword:homeobox(3.0e-88)
2131	63944_1.R1010	keyword:homeobox(3.0e-99)
2132	932917	"keyword:homeobox(4.0e-14),keyword:Leucine-zipper(4.0e-14)"
2133	LIB23-026-Q1-E1-A2	keyword:homeobox(4.0e-49)
2134	41720_1.R1010	"keyword:homeobox(4.0e-65),keyword:homeodomain(4.0e-65)"
2135	jC-atXLIB327421P2c04b1	"keyword:homeobox(5.0e-09),keyword:Leucine-zipper(5.0e-09)"
2136	jC-atXP82CG2G3T7b1	keyword:homeobox(5.0e-88)
2137	46458_1.R1010	"keyword:homeobox(6.0e-09),keyword:Leucine-zipper(6.0e-09)"
2138	88865_1.R1010	"keyword:homeobox(6.0e-

2139	LIB3176-033-P1-K1-F7	34),keyword:Leucine-zipper(6.0e-34)"
2140	LIB3175-034-P1-K1-H4	keyword:homeobox(6.0e-39)
2141	LIB3168-070-P1-K1-B5	keyword:homeobox(6.0e-62)
2142	51177_1.R1010	keyword:homeobox(7.0e-29)
		"keyword:homeobox(7.0e-47),keyword:Leucine-zipper(7.0e-47)"
2143	11171_1.R1010	keyword:homeobox(7.0e-74)
2144	LIB3176-054-P1-K1-A8	keyword:homeobox(8.0e-36)
2145	56378_1.R1010	keyword:homeobox(8.0e-75)
2146	2048209	"keyword:homeobox(9.0e-42),keyword:Leucine-zipper(9.0e-42)"
		keyword:homeobox(9.0e-47)
2147	1269190	keyword:homeodomain(1.0e-10)
2148	jC-atXLIB327403P1c08b1	keyword:homeodomain(1.0e-11)
2149	66256_1.R1010	keyword:homeodomain(1.0e-41)
2150	1216646	keyword:homeodomain(1.0e-44)
2151	17808_1.R1010	keyword:homeodomain(1.0e-49)
2152	66895_1.R1010	keyword:homeodomain(2.0e-09)
2153	LIB3175-004-P1-K1-E7	keyword:homeodomain(2.0e-09)
2154	LIB3234-054-P1-K1-F12	keyword:homeodomain(2.0e-12)
2155	129896_1.R1010	keyword:homeodomain(2.0e-22)
2156	LIB3168-035-P1-K1-H3	keyword:homeodomain(2.0e-31)
2157	8758_1.R1010	keyword:homeodomain(2.0e-72)
2158	903_2.R1010	keyword:homeodomain(3.0e-24)
2159	jC-atXLIB327406P4d02b2	keyword:homeodomain(3.0e-34)
2160	LIB25-029-Q1-E1-F1	keyword:homeodomain(3.0e-51)
2161	935428	keyword:homeodomain(3.0e-56)
2162	4654_1.R1010	keyword:homeodomain(4.0e-23)
2163	13187_1.R1010	keyword:homeodomain(4.0e-64)
2164	46464_1.R1010	keyword:homeodomain(5.0e-11)
2165	2597358	keyword:homeodomain(5.0e-27)
2166	6659_1.R1010	keyword:Leucine-zipper(4.0e-13)
2167	LIB3175-044-P1-K1-E2	keyword:Leucine-zipper(5.0e-25)
2168	LIB3168-005-P1-K1-G3	"keyword:mads(3.0e-09),keyword:AGL(3.0e-09)"
2169	2749526	"keyword:mads(7.0e-17),keyword:AGL(7.0e-17)"
2170	jC-atXP62C201N18T7020a1	keyword:myb(0.0e+00)
2171	744_1.R1010	keyword:myb(1.0e-10)
2172	LIB3176-020-P1-K1-B9	keyword:myb(1.0e-63)
2173	22467_1.R1010	"keyword:myb(2.0e-11),keyword:dna-binding(2.0e-11)"
2174	30118_1.R1010	"keyword:myb(2.0e-15),keyword:dna-binding(2.0e-15)"
2175	LIB3177-038-P1-K1-B12	keyword:myb(2.0e-19)
2176	jC-atXLIB327421P3e08b1	keyword:myb(2.0e-28)
2177	28031_1.R1010	keyword:myb(3.0e-43)
2178	147359_1.R1010	"keyword:myb(4.0e-10),keyword:dna-binding(4.0e-
2179	LIB35-011-Q1-E1-A10	

2180	LIB3176-001-Q1-K1-E8	10)" "keyword:myb(5.0e-15),keyword:dna-binding(5.0e-15)"
2181	LIB3234-020-P1-K1-D4	"keyword:myb(5.0e-17),keyword:dna-binding(5.0e-17)"
2182	LIB35-042-Q1-E1-B7	keyword:myb(8.0e-38)
2183	152400_1.R1010	keyword:myb(9.0e-52)
2184	2048440	keyword:scarecrow(1.0e-114)
2185	2714_1.R1010	keyword:scarecrow(1.0e-128)
2186	757676	keyword:scarecrow(1.0e-45)
2187	LIB22-035-Q1-E1-F9	keyword:scarecrow(1.0e-56)
2188	75150_1.R1010	keyword:scarecrow(2.0e-22)
2189	59776_2.R1010	keyword:scarecrow(2.0e-32)
2190	jC-atX25092Q1E1A12a1	keyword:scarecrow(2.0e-35)
2191	117936_1.R1010	keyword:scarecrow(2.0e-63)
2192	34737_2.R1010	keyword:scarecrow(3.0e-27)
2193	jC-atXP10C95M21T7s1	keyword:scarecrow(3.0e-59)
2194	jC-atXP113C229C9T7064a1	keyword:scarecrow(4.0e-13)
2195	jC-atXLIB327428P4d10b1	keyword:scarecrow(4.0e-14)
2196	135199_1.R1010	keyword:scarecrow(5.0e-12)
2197	jC-atXLIB327407P4b10a1	keyword:scarecrow(5.0e-13)
2198	LIB25-017-Q1-E1-A10	keyword:scarecrow(5.0e-32)
2199	12191_1.R1010	keyword:scarecrow(5.0e-59)
2200	7235_1.R1010	keyword:scarecrow(7.0e-42)
2201	jC-atXLIB327426P4b12a1	keyword:scarecrow(8.0e-10)
2202	115767_1.R1010	keyword:scarecrow(8.0e-41)
2203	jC-atXLIB327432P1f04a1	keyword:scarecrow(9.0e-24)
2204	135411_1.R1010	keyword:scarecrow(9.0e-26)
2205	3450092	keyword:transcription(0.0e+00)
2206	jC-atX24106Q1E1F08a1	keyword:transcription(0.0e+00)
2207	3450242	"keyword:transcription(0.0e+00), keyword:myb(0.0e+00)"
2208	9130_1.R1010	"keyword:transcription(1.0e-08),keyword:myb(1.0e-08)"
2209	jC-atXLIB327423P2e07a1	"keyword:transcription(1.0e-08),keyword:myb(1.0e-08)"
2210	125586_1.R1010	keyword:transcription(1.0e-09)
2211	LIB3177-089-P1-K1-A2	keyword:transcription(1.0e-09)
2212	75270_1.R1010	keyword:transcription(1.0e-10)
2213	LIB3168-018-P1-K1-G10	keyword:transcription(1.0e-10)
2214	jC-atXLIB327402P1h08b1	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"
2215	jC-atXLIB327407P1b02b1	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"
2216	jC-atXLIB327407P2f05b1	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"
2217	jC-atXLIB327422P1e12b1	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"
2218	jC-atXLIB327439P2a04b2	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"
2219	jC-atXP11C97O20T7027d1	"keyword:transcription(1.0e-10),keyword:myb(1.0e-10)"

2220	7033_3.R1010	keyword:transcription(1.0e-100)
2221	5416_2.R1010	keyword:transcription(1.0e-102)
2222	23652_1.R1010	"keyword:transcription(1.0e-103),keyword:helix-loop-helix(1.0e-103)"
2223	33416_1.R1010	"keyword:transcription(1.0e-107),keyword:myb(1.0e-107)"
2224	LIB3234-026-Q1-K1-H11	"keyword:transcription(1.0e-11),keyword:bzip(1.0e-11)"
2225	129514_1.R1010	"keyword:transcription(1.0e-11),keyword:myb(1.0e-11)"
2226	41112_1.R1010	"keyword:transcription(1.0e-11),keyword:myb(1.0e-11)"
2227	jC-atXP109C99M15T7s1	"keyword:transcription(1.0e-11),keyword:myb(1.0e-11)"
2228	60749_1.R1010	keyword:transcription(1.0e-110)
2229	jC-atXP60C199J4T7044d1	"keyword:transcription(1.0e-12),keyword:myb(1.0e-12)"
2230	jC-atXP65C209F6T7072d1	"keyword:transcription(1.0e-12),keyword:myb(1.0e-12)"
2231	1464_1.R1010	keyword:transcription(1.0e-129)
2232	30041_1.R1010	"keyword:transcription(1.0e-13),keyword:myb(1.0e-13)"
2233	jC-atXLIB327407P2a05b1	"keyword:transcription(1.0e-13),keyword:myb(1.0e-13)"
2234	jC-atXLIB327407P2b06b1	"keyword:transcription(1.0e-13),keyword:myb(1.0e-13)"
2235	jC-atXLIB327432P2h05b2	"keyword:transcription(1.0e-13),keyword:myb(1.0e-13)"
2236	jC-atXP69C219L23T7039d1	"keyword:transcription(1.0e-13),keyword:myb(1.0e-13)"
2237	745_1.R1010	keyword:transcription(1.0e-135)
2238	jC-atXLIB327408P2d04a1	keyword:transcription(1.0e-14)
2239	2753_1.R1010	"keyword:transcription(1.0e-14),keyword:bzip(1.0e-14)"
2240	27966_1.R1010	keyword:transcription(1.0e-15)
2241	73496_1.R1010	keyword:transcription(1.0e-16)
2242	jC-atXP70C222C9T7008a1	keyword:transcription(1.0e-16)
2243	112604_1.R1010	"keyword:transcription(1.0e-16),keyword:bzip(1.0e-16)"
2244	746_1.R1010	keyword:transcription(1.0e-160)
2245	LIB24-115-Q1-E1-A9	"keyword:transcription(1.0e-160),keyword:AGL(1.0e-160)"
2246	2749226	"keyword:transcription(1.0e-171),keyword:myb(1.0e-171)"
2247	484_1.R1010	keyword:transcription(1.0e-178)
2248	747_1.R1010	keyword:transcription(1.0e-180)
2249	LIB3177-022-P1-K2-A6	keyword:transcription(1.0e-19)
2250	jC-atXLIB327413P3d05b1	"keyword:transcription(1.0e-19),keyword:myb(1.0e-19)"
2251	jC-atXLIB327422P3a10b2	"keyword:transcription(1.0e-19),keyword:myb(1.0e-19)"
2252	2581653	keyword:transcription(1.0e-22)
2253	jC-atX22004Q1E1E06a1	keyword:transcription(1.0e-23)

2254	LIB3168-026-P1-K1-H8	keyword:transcription(1.0e-23)
2255	957807	keyword:transcription(1.0e-32)
2256	LIB22-016-Q1-E1-G1	keyword:transcription(1.0e-37)
2257	LIB3175-038-P1-K1-E2	keyword:transcription(1.0e-37)
2258	484_2.R1010	keyword:transcription(1.0e-38)
2259	jC-atXLIB327410P1h01b1	keyword:transcription(1.0e-38)
2260	2965_1.R1010	keyword:transcription(1.0e-41)
2261	5417_1.R1010	keyword:transcription(1.0e-44)
2262	1454_2.R1010	keyword:transcription(1.0e-47)
2263	LIB25-021-Q1-E1-F6	"keyword:transcription(1.0e-51),keyword:AGL(1.0e-51)"
2264	483_1.R1010	keyword:transcription(1.0e-54)
2265	2413903	keyword:transcription(1.0e-59)
2266	135726_1.R1010	keyword:transcription(1.0e-60)
2267	4173_2.R1010	keyword:transcription(1.0e-60)
2268	LIB146-006-Q1-E1-D8	"keyword:transcription(1.0e-67),keyword:myb(1.0e-67)"
2269	24872_1.R1010	keyword:transcription(1.0e-68)
2270	5362_1.R1010	keyword:transcription(1.0e-68)
2271	jC-atXP7C91N10T7s1	"keyword:transcription(1.0e-80),keyword:myb(1.0e-80)"
2272	126613_1.R1010	keyword:transcription(1.0e-81)
2273	117821_1.R1010	keyword:transcription(2.0e-09)
2274	jC-atXP70C222C6T7087a1	keyword:transcription(2.0e-09)
2275	33875_1.R1010	"keyword:transcription(2.0e-09),keyword:dna-binding(2.0e-09)"
2276	jC-atXLIB327406P3b03b2	"keyword:transcription(2.0e-09),keyword:myb(2.0e-09)"
2277	jC-atXLIB327424P3h02b1	"keyword:transcription(2.0e-09),keyword:myb(2.0e-09)"
2278	jC-atXLIB327432P2h07b2	"keyword:transcription(2.0e-09),keyword:myb(2.0e-09)"
2279	23953_1.R1010	"keyword:transcription(2.0e-10),keyword:myb(2.0e-10)"
2280	jC-atXLIB327401P4c03b2	"keyword:transcription(2.0e-10),keyword:myb(2.0e-10)"
2281	jC-atXLIB327412P1a12b1	"keyword:transcription(2.0e-11),keyword:myb(2.0e-11)"
2282	jC-atXLIB327422P3h11b2	"keyword:transcription(2.0e-11),keyword:myb(2.0e-11)"
2283	40610_1.R1010	keyword:transcription(2.0e-12)
2284	LIB25-036-Q1-E1-B11	keyword:transcription(2.0e-12)
2285	24234_1.R1010	"keyword:transcription(2.0e-12),keyword:myb(2.0e-12)"
2286	33847_1.R1010	"keyword:transcription(2.0e-12),keyword:myb(2.0e-12)"
2287	jC-atXLIB327402P1h04b1	"keyword:transcription(2.0e-12),keyword:myb(2.0e-12)"
2288	LIB3177-049-P1-K1-C11	keyword:transcription(2.0e-13)
2289	10099_3.R1010	"keyword:transcription(2.0e-13),keyword:myb(2.0e-13)"
2290	66961_1.R1010	"keyword:transcription(2.0e-13),keyword:myb(2.0e-13)"

2291	jC-atXLIB327410P1b07b1	"keyword:transcription(2.0e-13),keyword:myb(2.0e-13)"
2292	jC-atXmonuni25Db04b1	keyword:transcription(2.0e-15)
2293	17017_1.R1010	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2294	4301_1.R1010	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2295	jC-atXLIB327410P4a04b1	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2296	jC-atXLIB327423P4c02b1	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2297	jC-atXLIB327423P4e02b1	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2298	jC-atXLIB327437P2b06a2	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2299	jC-atXP50C179L20T7096d1	"keyword:transcription(2.0e-15),keyword:myb(2.0e-15)"
2300	130123_1.R1010	keyword:transcription(2.0e-18)
2301	78769_2.R1010	keyword:transcription(2.0e-19)
2302	jC-atX25027Q1E1G08a1	keyword:transcription(2.0e-19)
2303	123111_1.R1010	"keyword:transcription(2.0e-19),keyword:myb(2.0e-19)"
2304	1242_5.R1010	keyword:transcription(2.0e-20)
2305	7033_1.R1010	keyword:transcription(2.0e-24)
2306	LIB3176-039-P1-K1-G11	keyword:transcription(2.0e-24)
2307	jC-atXLIB327437P2f03b2	keyword:transcription(2.0e-25)
2308	LIB3176-043-P1-K1-F7	"keyword:transcription(2.0e-25),keyword:myb(2.0e-25)"
2309	ARABL1-042-Q1-E1-C11	keyword:transcription(2.0e-26)
2310	148635_1.R1010	keyword:transcription(2.0e-27)
2311	3707_1.R1010	keyword:transcription(2.0e-27)
2312	23105_1.R1010	keyword:transcription(2.0e-28)
2313	jC-atXP123C119P10T7027a1	keyword:transcription(2.0e-30)
2314	LIB23-048-Q1-E1-B1	keyword:transcription(2.0e-31)
2315	jC-atXP57C191F16T7058a1	keyword:transcription(2.0e-32)
2316	116873_1.R1010	keyword:transcription(2.0e-33)
2317	LIB24-117-Q1-E1-D4	"keyword:transcription(2.0e-34),keyword:helix-loop-helix(2.0e-34)"
2318	jC-atXLIB327410P1h01a1	keyword:transcription(2.0e-35)
2319	1268235	"keyword:transcription(2.0e-36),keyword:bzip(2.0e-36)"
2320	2722407	keyword:transcription(2.0e-37)
2321	199_7.R1010	keyword:transcription(2.0e-38)
2322	jC-atXP100C269G1T7b1	keyword:transcription(2.0e-38)
2323	73529_1.R1010	keyword:transcription(2.0e-40)
2324	14869_1.R1010	keyword:transcription(2.0e-41)
2325	25965_1.R1010	"keyword:transcription(2.0e-41),keyword:myb(2.0e-41),keyword:dna-binding(2.0e-41)"
2326	LIB3168-071-P1-K1-E9	"keyword:transcription(2.0e-42),keyword:myb(2.0e-42)"
2327	2413363	"keyword:transcription(2.0e-

		45),keyword:myb(2.0e-45)"
2328	957838	keyword:transcription(2.0e-48)
2329	1251_3.R1010	keyword:transcription(2.0e-49)
2330	1701_1.R1010	keyword:transcription(2.0e-53)
2331	2886_1.R1010	keyword:transcription(2.0e-53)
2332	484_4.R1010	keyword:transcription(2.0e-57)
2333	2413906	keyword:transcription(2.0e-62)
2334	199_2.R1010	keyword:transcription(2.0e-62)
2335	1702_2.R1010	keyword:transcription(2.0e-71)
2336	21486_1.R1010	keyword:transcription(2.0e-71)
2337	jC-atXP82CG2C1T7d3	keyword:transcription(2.0e-73)
2338	13267_1.R1010	"keyword:transcription(2.0e-98),keyword:myb(2.0e-98)"
2339	jC-atXLIB327415P3f10a1	"keyword:transcription(3.0e-09),keyword:mads(3.0e-09)"
2340	jC-atXP32C147K3T7d2	"keyword:transcription(3.0e-09),keyword:myb(3.0e-09)"
2341	2739586	"keyword:transcription(3.0e-09),keyword:scarecrow(3.0e-09)"
2342	125611_1.R1010	keyword:transcription(3.0e-10)
2343	jC-atXLIB327417P1d12b1	"keyword:transcription(3.0e-11),keyword:myb(3.0e-11)"
2344	jC-atXLIB327421P4b05b1	"keyword:transcription(3.0e-11),keyword:myb(3.0e-11)"
2345	20371_1.R1010	"keyword:transcription(3.0e-12),keyword:mads(3.0e-12)"
2346	jC-atXP121C118B15T7062d1	"keyword:transcription(3.0e-12),keyword:myb(3.0e-12)"
2347	jC-atXLIB327413P3f10b1	"keyword:transcription(3.0e-13),keyword:myb(3.0e-13)"
2348	397313	keyword:transcription(3.0e-14)
2349	90868_1.R1010	"keyword:transcription(3.0e-14),keyword:myb(3.0e-14)"
2350	jC-atXLIB327413P3a02b1	"keyword:transcription(3.0e-14),keyword:myb(3.0e-14)"
2351	jC-atXLIB327437P2c10a2	"keyword:transcription(3.0e-14),keyword:myb(3.0e-14)"
2352	21472_1.R1010	keyword:transcription(3.0e-15)
2353	43837_1.R1010	"keyword:transcription(3.0e-15),keyword:myb(3.0e-15)"
2354	jC-atXLIB327423P3d05b1	"keyword:transcription(3.0e-16),keyword:myb(3.0e-16)"
2355	LIB3176-019-P1-K1-F12	keyword:transcription(3.0e-17)
2356	34038_1.R1010	"keyword:transcription(3.0e-17),keyword:myb(3.0e-17)"
2357	jC-atXLIB327407P1d12b1	"keyword:transcription(3.0e-17),keyword:myb(3.0e-17)"
2358	jC-atXLIB327416P3a11b1	"keyword:transcription(3.0e-17),keyword:myb(3.0e-17)"
2359	120242_2.R1010	keyword:transcription(3.0e-20)
2360	80106_1.R1010	keyword:transcription(3.0e-22)
2361	36515_1.R1010	keyword:transcription(3.0e-27)
2362	87954_2.R1010	keyword:transcription(3.0e-28)
2363	935761	keyword:transcription(3.0e-30)

2364	15807_1.R1010	keyword:transcription(3.0e-30)
2365	773531	"keyword:transcription(3.0e-30),keyword:bzip(3.0e-30)"
2366	LIB25-059-Q1-E1-G12	"keyword:transcription(3.0e-35),keyword:bzip(3.0e-35)"
2367	LIB3234-018-P1-K1-B4	"keyword:transcription(3.0e-35),keyword:myb(3.0e-35)"
2368	120704_1.R1010	keyword:transcription(3.0e-36)
2369	2413827	keyword:transcription(3.0e-37)
2370	7041_1.R1010	"keyword:transcription(3.0e-37),keyword:myb(3.0e-37),keyword:dna-binding(3.0e-37)"
2371	75257_1.R1010	keyword:transcription(3.0e-50)
2372	LIB23-054-Q1-E1-A3	keyword:transcription(3.0e-50)
2373	LIB3234-084-Q1-K1-D1	keyword:transcription(3.0e-63)
2374	31106_1.R1010	"keyword:transcription(3.0e-64),keyword:myb(3.0e-64)"
2375	5130_1.R1010	keyword:transcription(3.0e-65)
2376	74599_1.R1010	keyword:transcription(3.0e-69)
2377	LIB3177-099-P1-K1-G12	"keyword:transcription(3.0e-72),keyword:myb(3.0e-72)"
2378	87285_1.R1010	"keyword:transcription(3.0e-88),keyword:myb(3.0e-88)"
2379	jC-atXLIB327408P3c12b1	"keyword:transcription(4.0e-09),keyword:AGL(4.0e-09)"
2380	jC-atXLIB327424P1d04b2	"keyword:transcription(4.0e-10),keyword:myb(4.0e-10)"
2381	30731_1.R1010	keyword:transcription(4.0e-11)
2382	2757901	keyword:transcription(4.0e-12)
2383	63254_2.R1010	keyword:transcription(4.0e-13)
2384	jC-atXLIB327407P1e12b1	"keyword:transcription(4.0e-13),keyword:myb(4.0e-13)"
2385	jC-atXLIB327407P3h10b1	"keyword:transcription(4.0e-13),keyword:myb(4.0e-13)"
2386	8444_1.R1010	"keyword:transcription(4.0e-15),keyword:bzip(4.0e-15)"
2387	36955_1.R1010	"keyword:transcription(4.0e-15),keyword:myb(4.0e-15)"
2388	8612_1.R1010	"keyword:transcription(4.0e-17),keyword:bzip(4.0e-17)"
2389	LIB3168-051-P1-K1-C7	"keyword:transcription(4.0e-17),keyword:myb(4.0e-17)"
2390	28758_1.R1010	"keyword:transcription(4.0e-17),keyword:zinc-finger(4.0e-17)"
2391	LIB3168-033-P1-K1-C1	keyword:transcription(4.0e-18)
2392	jC-atXLIB327408P3c12a1	"keyword:transcription(4.0e-18),keyword:AGL(4.0e-18)"
2393	123109_1.R1010	"keyword:transcription(4.0e-20),keyword:myb(4.0e-20)"
2394	jC-atXP61C201E9T7d1	keyword:transcription(4.0e-21)
2395	10519_1.R1010	keyword:transcription(4.0e-22)
2396	jC-atXLIB327426P3b06a1	"keyword:transcription(4.0e-

		22),keyword:scarecrow(4.0e-22)"
2397	jC-atXP96C248B18T7b1	"keyword:transcription(4.0e-23),keyword:myb(4.0e-23)"
2398	LIB3234-050-P1-K1-D5	"keyword:transcription(4.0e-30),keyword:myb(4.0e-30)"
2399	jC-atXLIB327432P2b08b2	keyword:transcription(4.0e-35)
2400	958051	keyword:transcription(4.0e-43)
2401	6799_1.R1010	keyword:transcription(4.0e-43)
2402	LIB3177-044-P1-K2-E1	keyword:transcription(4.0e-46)
2403	2413798	keyword:transcription(4.0e-48)
2404	199_3.R1010	keyword:transcription(4.0e-49)
2405	LIB146-010-Q1-E1-A5	keyword:transcription(4.0e-49)
2406	LIB3234-008-P1-K1-E6	keyword:transcription(4.0e-49)
2407	1242_1.R1010	keyword:transcription(4.0e-60)
2408	17214_1.R1010	keyword:transcription(4.0e-63)
2409	116091_1.R1010	keyword:transcription(4.0e-64)
2410	70096_1.R1010	keyword:transcription(4.0e-76)
2411	26493_1.R1010	keyword:transcription(4.0e-79)
2412	jC-atXLIB327413P2h06b1	"keyword:transcription(5.0e-10),keyword:myb(5.0e-10)"
2413	jC-atXLIB327424P3c09b1	"keyword:transcription(5.0e-10),keyword:myb(5.0e-10)"
2414	LIB22-002-Q1-E1-F5	keyword:transcription(5.0e-11)
2415	jC-atX24061Q1E1B04a1	keyword:transcription(5.0e-12)
2416	116174_1.R1010	keyword:transcription(5.0e-13)
2417	LIB3168-094-P1-K1-C1	keyword:transcription(5.0e-13)
2418	jC-atXLIB327407P2c07b1	"keyword:transcription(5.0e-13),keyword:myb(5.0e-13)"
2419	jC-atXLIB327416P1e04b1	"keyword:transcription(5.0e-13),keyword:myb(5.0e-13)"
2420	jC-atXLIB327422P3b10b2	"keyword:transcription(5.0e-13),keyword:myb(5.0e-13)"
2421	jC-atXLIB327423P4f04b1	"keyword:transcription(5.0e-13),keyword:myb(5.0e-13)"
2422	jC-atXLIB327425P3h02b1	"keyword:transcription(5.0e-13),keyword:myb(5.0e-13)"
2423	19437_1.R1010	"keyword:transcription(5.0e-14),keyword:myb(5.0e-14)"
2424	134494_1.R1010	keyword:transcription(5.0e-15)
2425	19158_1.R1010	"keyword:transcription(5.0e-18),keyword:myb(5.0e-18)"
2426	jC-atXLIB327407P2d04b1	"keyword:transcription(5.0e-18),keyword:myb(5.0e-18)"
2427	LIB3168-075-P1-K1-A12	"keyword:transcription(5.0e-21),keyword:myb(5.0e-21)"
2428	935191	keyword:transcription(5.0e-22)
2429	95605_2.R1010	"keyword:transcription(5.0e-31),keyword:helix-loop-helix(5.0e-31)"
2430	12063_1.R1010	keyword:transcription(5.0e-38)
2431	jC-atXLIB327421P1f03a1	"keyword:transcription(5.0e-56),keyword:myb(5.0e-56)"
2432	jC-atXP39C162I3T7s1	"keyword:transcription(5.0e-62),keyword:myb(5.0e-62)"

2433	LIB146-013-Q1-E1-C10	keyword:transcription(6.0e-10)
2434	jC-atXLIB327437P2d05a2	"keyword:transcription(6.0e-10),keyword:myb(6.0e-10)"
2435	84570_1.R1010	"keyword:transcription(6.0e-11),keyword:myb(6.0e-11)"
2436	LIB23-007-Q1-E1-D7	keyword:transcription(6.0e-12)
2437	jC-atXP65C209F23T7096d1	"keyword:transcription(6.0e-13),keyword:myb(6.0e-13)"
2438	30826_1.R1010	"keyword:transcription(6.0e-16),keyword:myb(6.0e-16)"
2439	LIB22-035-Q1-E1-E1	keyword:transcription(6.0e-17)
2440	53812_1.R1010	"keyword:transcription(6.0e-18),keyword:bzip(6.0e-18)"
2441	jC-atXLIB327406P3c02b2	"keyword:transcription(6.0e-18),keyword:myb(6.0e-18)"
2442	jC-atXLIB327407P2a01b1	"keyword:transcription(6.0e-18),keyword:myb(6.0e-18)"
2443	102790_1.R1010	"keyword:transcription(6.0e-19),keyword:myb(6.0e-19)"
2444	jC-atXLIB327408P3b01a1	keyword:transcription(6.0e-20)
2445	LIB3176-049-P1-K1-C7	keyword:transcription(6.0e-21)
2446	76_2.R1010	"keyword:transcription(6.0e-21),keyword:dna-binding(6.0e-21)"
2447	8150_1.R1010	keyword:transcription(6.0e-30)
2448	LIB3234-072-P1-K1-H7	keyword:transcription(6.0e-35)
2449	2413368	"keyword:transcription(6.0e-38),keyword:myb(6.0e-38)"
2450	87954_1.R1010	keyword:transcription(6.0e-42)
2451	2413889	keyword:transcription(6.0e-63)
2452	jC-atXLIB327422P3d01b2	keyword:transcription(6.0e-63)
2453	jC-atXLIB327410P1d03b1	"keyword:transcription(7.0e-09),keyword:myb(7.0e-09)"
2454	jC-atXLIB327413P2c03b1	"keyword:transcription(7.0e-09),keyword:myb(7.0e-09)"
2455	2580901	keyword:transcription(7.0e-10)
2456	123071_1.R1010	"keyword:transcription(7.0e-13),keyword:myb(7.0e-13)"
2457	LIB3176-027-P1-K1-F5	"keyword:transcription(7.0e-15),keyword:myb(7.0e-15)"
2458	7041_2.R1010	"keyword:transcription(7.0e-17),keyword:myb(7.0e-17),keyword:dna-binding(7.0e-17)"
2459	LIB3168-070-P1-K1-E7	keyword:transcription(7.0e-23)
2460	1456_3.R1010	keyword:transcription(7.0e-26)
2461	jC-atXP12C103L19T7087a1	keyword:transcription(7.0e-26)
2462	LIB3177-036-P1-K1-B2	keyword:transcription(7.0e-29)
2463	1269428	keyword:transcription(7.0e-38)
2464	88042_1.R1010	keyword:transcription(7.0e-41)
2465	LIB3234-019-P1-K1-E12	keyword:transcription(7.0e-46)
2466	937784	keyword:transcription(7.0e-52)
2467	LIB22-029-Q1-E1-G9	keyword:transcription(7.0e-54)
2468	LIB24-094-Q1-E1-G3	keyword:transcription(7.0e-59)

2469	199_1.R1010	keyword:transcription(7.0e-63)
2470	LIB3175-052-P1-K1-G10	"keyword:transcription(7.0e-64),keyword:bzip(7.0e-64)"
2471	LIB3177-055-P1-K1-C3	keyword:transcription(7.0e-70)
2472	jC-atXLIB327412P1h12b1	"keyword:transcription(8.0e-09),keyword:myb(8.0e-09)"
2473	jC-atXLIB327413P4d02b1	"keyword:transcription(8.0e-09),keyword:myb(8.0e-09)"
2474	LIB3234-084-Q1-K1-A4	keyword:transcription(8.0e-13)
2475	129437_1.R1010	"keyword:transcription(8.0e-13),keyword:myb(8.0e-13)"
2476	jC-atXLIB327415P3b09b1	"keyword:transcription(8.0e-15),keyword:myb(8.0e-15)"
2477	125840_1.R1010	"keyword:transcription(8.0e-16),keyword:myb(8.0e-16)"
2478	5416_3.R1010	keyword:transcription(8.0e-20)
2479	2869_1.R1010	"keyword:transcription(8.0e-22),keyword:myb(8.0e-22),keyword:dna-binding(8.0e-22)"
2480	LIB3234-038-P1-K1-H9	keyword:transcription(8.0e-28)
2481	1053361	keyword:transcription(8.0e-30)
2482	LIB3176-028-P1-K1-H11	keyword:transcription(8.0e-36)
2483	LIB25-027-Q1-E1-H2	keyword:transcription(8.0e-46)
2484	34883_1.R1010	keyword:transcription(8.0e-56)
2485	8486_1.R1010	keyword:transcription(8.0e-59)
2486	jC-atXLIB327408P4h04b1	"keyword:transcription(8.0e-71),keyword:myb(8.0e-71)"
2487	jC-atXP12C103L24T7091a1	keyword:transcription(9.0e-09)
2488	26106_1.R1010	"keyword:transcription(9.0e-12),keyword:myb(9.0e-12)"
2489	jC-atXP118C144J15T7093d2	"keyword:transcription(9.0e-13),keyword:myb(9.0e-13)"
2490	jC-atXLIB327413P3e08b1	"keyword:transcription(9.0e-15),keyword:myb(9.0e-15)"
2491	jC-atXLIB327424P1f01b2	"keyword:transcription(9.0e-15),keyword:myb(9.0e-15)"
2492	jC-atXmonuni26Ad12a1	keyword:transcription(9.0e-40)
2493	1702_1.R1010	keyword:transcription(9.0e-51)
2494	906440	keyword:transcription(9.0e-63)
2495	17656_1.R1010	keyword:zinc-finger(0.0e+00)
2496	LIB3234-080-P1-K1-G6	keyword:zinc-finger(0.0e+00)
2497	2446113	keyword:zinc-finger(1.0e-09)
2498	142749_1.R1010	keyword:zinc-finger(1.0e-09)
2499	LIB3175-061-P1-K1-D9	keyword:zinc-finger(1.0e-09)
2500	LIB3234-095-P1-K1-H11	keyword:zinc-finger(1.0e-11)
2501	9370_1.R1010	keyword:zinc-finger(1.0e-114)
2502	973_1.R1010	keyword:zinc-finger(1.0e-116)
2503	9986_1.R1010	keyword:zinc-finger(1.0e-118)
2504	LIB146-012-Q1-E1-G4	keyword:zinc-finger(1.0e-12)
2505	LIB3175-016-P1-K1-G5	keyword:zinc-finger(1.0e-121)
2506	1159660	keyword:zinc-finger(1.0e-133)
2507	930572	keyword:zinc-finger(1.0e-14)
2508	9370_2.R1010	keyword:zinc-finger(1.0e-14)

2509	7360_1.R1010	keyword:zinc-finger(1.0e-15)
2510	LIB22-013-Q1-E1-D12	keyword:zinc-finger(1.0e-15)
2511	jC-atXP94CH5G8T7b1	keyword:zinc-finger(1.0e-152)
2512	LIB3177-079-P1-K1-E4	keyword:zinc-finger(1.0e-16)
2513	2094_1.R1010	keyword:zinc-finger(1.0e-169)
2514	69843_2.R1010	keyword:zinc-finger(1.0e-18)
2515	2756827	keyword:zinc-finger(1.0e-23)
2516	jC-atXLIB327413P4g05a1	keyword:zinc-finger(1.0e-23)
2517	2757000	keyword:zinc-finger(1.0e-24)
2518	25151_1.R1010	keyword:zinc-finger(1.0e-24)
2519	jC-atXP115C250H2T7d1	keyword:zinc-finger(1.0e-29)
2520	LIB23-036-Q1-E1-E9	keyword:zinc-finger(1.0e-40)
2521	4802_1.R1010	keyword:zinc-finger(1.0e-42)
2522	jC-atXP33C148C13T7s2	"keyword:zinc-finger(1.0e-44),keyword:zinc-finger(1.0e-44)"
2523	jC-atXP69C219E3T7061a1	keyword:zinc-finger(1.0e-49)
2524	LIB3234-085-Q1-K1-B8	keyword:zinc-finger(1.0e-64)
2525	24421_1.R1010	keyword:zinc-finger(1.0e-70)
2526	2596365	keyword:zinc-finger(2.0e-09)
2527	57820_2.R1010	keyword:zinc-finger(2.0e-11)
2528	LIB22-021-Q1-E1-G10	keyword:zinc-finger(2.0e-12)
2529	933630	keyword:zinc-finger(2.0e-14)
2530	LIB3234-083-Q1-K1-E7	keyword:zinc-finger(2.0e-14)
2531	jC-atXLIB327426P2d01b1	keyword:zinc-finger(2.0e-15)
2532	104719_1.R1010	keyword:zinc-finger(2.0e-18)
2533	LIB3234-096-P1-K1-G6	keyword:zinc-finger(2.0e-19)
2534	11941_1.R1010	keyword:zinc-finger(2.0e-22)
2535	LIB23-054-Q1-E1-F11	keyword:zinc-finger(2.0e-26)
2536	2393482	"keyword:zinc-finger(2.0e-27),keyword:zinc-finger(2.0e-27)"
2537	397327	keyword:zinc-finger(2.0e-34)
2538	2805_1.R1010	keyword:zinc-finger(2.0e-42)
2539	937609	keyword:zinc-finger(2.0e-47)
2540	5216_1.R1010	keyword:zinc-finger(2.0e-47)
2541	jC-atXLIB327437P2f01b2	keyword:zinc-finger(2.0e-49)
2542	2094_3.R1010	keyword:zinc-finger(2.0e-51)
2543	58023_1.R1010	keyword:zinc-finger(2.0e-54)
2544	jC-atXP118C142N22T7035a1	keyword:zinc-finger(2.0e-56)
2545	LIB3234-043-P1-K1-H4	keyword:zinc-finger(2.0e-62)
2546	12614_1.R1010	keyword:zinc-finger(2.0e-64)
2547	48833_1.R1010	keyword:zinc-finger(2.0e-75)
2548	13769_1.R1010	"keyword:zinc-finger(2.0e-88),keyword:zinc-finger(2.0e-88)"
2549	2112_1.R1010	keyword:zinc-finger(2.0e-95)
2550	jC-atXP69C218L15T7058a1	keyword:zinc-finger(3.0e-09)
2551	LIB3168-084-P1-K1-C4	keyword:zinc-finger(3.0e-10)
2552	2757920	keyword:zinc-finger(3.0e-13)
2553	LIB3177-044-P1-K2-A7	keyword:zinc-finger(3.0e-14)
2554	1520759	keyword:zinc-finger(3.0e-15)
2555	15938_1.R1010	keyword:zinc-finger(3.0e-19)
2556	34424_1.R1010	keyword:zinc-finger(3.0e-19)

2557	jC-atXLIB327407P1c04a1	keyword:zinc-finger(3.0e-20)
2558	LIB3234-026-Q1-K1-F7	keyword:zinc-finger(3.0e-21)
2559	2759682	keyword:zinc-finger(3.0e-26)
2560	LIB22-066-Q1-E1-G9	keyword:zinc-finger(3.0e-30)
2561	jC-atXLIB327417P1h12a1	keyword:zinc-finger(3.0e-31)
2562	jC-atXP69C219D5T7029a1	keyword:zinc-finger(3.0e-31)
2563	38176_1.R1010	keyword:zinc-finger(3.0e-38)
2564	15536_1.R1010	keyword:zinc-finger(3.0e-39)
2565	69843_1.R1010	keyword:zinc-finger(3.0e-40)
2566	LIB3177-044-P1-K2-B7	keyword:zinc-finger(3.0e-40)
2567	LIB24-078-Q1-E1-H8	keyword:zinc-finger(3.0e-41)
2568	101306_1.R1010	keyword:zinc-finger(3.0e-43)
2569	4552_1.R1010	keyword:zinc-finger(3.0e-47)
2570	6617_1.R1010	keyword:zinc-finger(3.0e-49)
2571	2112_3.R1010	keyword:zinc-finger(3.0e-51)
2572	LIB23-031-Q1-E1-E10	keyword:zinc-finger(3.0e-55)
2573	LIB3234-010-P1-K1-B9	keyword:zinc-finger(3.0e-60)
2574	jC-atXLIB327431P2d03a1	keyword:zinc-finger(4.0e-16)
2575	2764378	keyword:zinc-finger(4.0e-17)
2576	jC-atXLIB327413P4e09b1	keyword:zinc-finger(4.0e-17)
2577	LIB24-085-Q1-E1-E9	keyword:zinc-finger(4.0e-19)
2578	8143_1.R1010	keyword:zinc-finger(4.0e-20)
2579	506548	keyword:zinc-finger(4.0e-22)
2580	13864_2.R1010	keyword:zinc-finger(4.0e-23)
2581	jC-atXP3C81A7T7020a1	keyword:zinc-finger(4.0e-23)
2582	63653_2.R1010	keyword:zinc-finger(4.0e-25)
2583	33551_1.R1010	keyword:zinc-finger(4.0e-33)
2584	48092_1.R1010	keyword:zinc-finger(4.0e-34)
2585	jC-atXLIB327426P1d11b1	keyword:zinc-finger(4.0e-36)
2586	10012_1.R1010	keyword:zinc-finger(4.0e-37)
2587	LIB35-054-Q1-E1-B3	keyword:zinc-finger(4.0e-44)
2588	jC-atXLIB327435P3e07b1	keyword:zinc-finger(4.0e-83)
2589	2750080	keyword:zinc-finger(5.0e-13)
2590	ARABL1-038-Q1-B1-G10	keyword:zinc-finger(5.0e-13)
2591	2596322	keyword:zinc-finger(5.0e-19)
2592	LIB3177-016-P1-K1-G2	keyword:zinc-finger(5.0e-20)
2593	119921_1.R1010	keyword:zinc-finger(5.0e-32)
2594	29459_1.R1010	keyword:zinc-finger(5.0e-35)
2595	83449_1.R1010	keyword:zinc-finger(5.0e-38)
2596	101306_2.R1010	keyword:zinc-finger(5.0e-41)
2597	jC-atXLIB327410P3b02a1	keyword:zinc-finger(5.0e-50)
2598	9815_1.R1010	keyword:zinc-finger(5.0e-53)
2599	LIB25-047-Q1-E1-C1	keyword:zinc-finger(6.0e-13)
2600	LIB3234-057-P1-K1-C9	keyword:zinc-finger(6.0e-14)
2601	LIB3175-052-P1-K1-H11	keyword:zinc-finger(6.0e-21)
2602	2112_7.R1010	keyword:zinc-finger(6.0e-25)
2603	LIB3177-010-P1-K1-A11	keyword:zinc-finger(6.0e-33)
2604	jC-atXP87C244H16T7b1	keyword:zinc-finger(6.0e-54)
2605	jC-atX25060Q1E1G04a1	keyword:zinc-finger(6.0e-73)
2606	1053262	keyword:zinc-finger(6.0e-86)
2607	18064_1.R1010	"keyword:zinc-finger(6.0e-98),keyword:zinc-finger(6.0e-98)"
2608	6226_1.R1010	keyword:zinc-finger(7.0e-21)

2609	1932866	keyword:zinc-finger(7.0e-24)
2610	906994	keyword:zinc-finger(7.0e-37)
2611	76960_1.R1010	keyword:zinc-finger(7.0e-60)
2612	LIB3177-093-P1-K1-A11	keyword:zinc-finger(7.0e-65)
2613	LIB3177-019-P1-K1-E5	keyword:zinc-finger(8.0e-09)
2614	jC-atX22051Q1E1D08b1	keyword:zinc-finger(8.0e-11)
2615	LIB3168-004-P1-K1-F7	keyword:zinc-finger(8.0e-15)
2616	LIB3176-094-P1-K1-G3	keyword:zinc-finger(8.0e-16)
2617	115674_1.R1010	keyword:zinc-finger(8.0e-31)
2618	397182	keyword:zinc-finger(8.0e-42)
2619	LIB3168-044-P1-K1-C2	keyword:zinc-finger(8.0e-59)
2620	45108_1.R1010	keyword:zinc-finger(9.0e-10)
2621	LIB3176-051-P1-K1-E2	keyword:zinc-finger(9.0e-15)
2622	jC-atXLIB327426P1d11a1	keyword:zinc-finger(9.0e-17)
2623	2062896	keyword:zinc-finger(9.0e-34)
2624	LIB23-054-Q1-E1-F5	keyword:zinc-finger(9.0e-35)
2625	LIB25-033-Q1-E1-H4	keyword:zinc-finger(9.0e-45)
2626	122787_1.R1010	keyword:zinc-finger(9.0e-69)
2627	97662_1.R1010	lim(HMM:0.0017)
2628	1167_2.R1010	lim(HMM:0.063)
2629	32106_1.R1010	lim(HMM:0.092)
2630	13793_1.R1010	lim(HMM:1.5e-33)
2631	32106_2.R1010	lim(HMM:1.7e-16)
2632	50585_1.R1010	lim(HMM:1.8e-16)
2633	LIB3176-036-P1-K1-E4	lim(HMM:2.2e-10)
2634	1167_3.R1010	lim(HMM:2.5e-15)
2635	19353_2.R1010	lim(HMM:3.3e-14)
2636	LIB22-059-Q1-E1-H4	lim(HMM:3.4)
2637	6243_1.R1010	lim(HMM:4.1e-35)
2638	1167_1.R1010	lim(HMM:8.3e-35)
2639	2763256	linker_histone(HMM:0.00034)
2640	LIB3176-036-P1-K1-H7	linker_histone(HMM:0.00078)
2641	11718_17.R1010	linker_histone(HMM:0.006)
2642	697_2.R1010	linker_histone(HMM:0.01)
2643	17727_3.R1010	linker_histone(HMM:1.6e-06)
2644	935999	linker_histone(HMM:1.6e-28)
2645	17727_2.R1010	linker_histone(HMM:1.8e-10)
2646	4256_1.R1010	linker_histone(HMM:3.3e-22)
2647	67_1.R1010	linker_histone(HMM:3.3e-37)
2648	127_1.R1010	linker_histone(HMM:3e-22)
2649	697_1.R1010	linker_histone(HMM:4e-35)
2650	jC-atXLIB327426P2e12b1	linker_histone(HMM:5.5e-24)
2651	jC-atXP79C238C1T7d2	linker_histone(HMM:6.3e-15)
2652	128_1.R1010	linker_histone(HMM:7.8e-29)
2653	128_3.R1010	linker_histone(HMM:7.8e-29)
2654	398632	myb_dna-binding(HMM:0.00026)
2655	19696_1.R1010	myb_dna-binding(HMM:0.00029)
2656	LIB23-041-Q1-E1-G1	myb_dna-binding(HMM:0.00031)
2657	51036_2.R1010	myb_dna-binding(HMM:0.00038)
2658	LIB3175-043-P1-K1-A3	myb_dna-

2659	6718_1.R1010	binding(HMM:0.00042)
2660	29160_1.R1010	myb_dna-binding(HMM:0.00053)
2661	LIB23-003-Q1-E1-C10	myb_dna-binding(HMM:0.00094)
2662	22627_1.R1010	myb_dna-binding(HMM:0.0012)
2663	16833	myb_dna-binding(HMM:0.0013)
2664	118469_1.R1010	myb_dna-binding(HMM:0.0015)
2665	2764125	myb_dna-binding(HMM:0.0021)
2666	19235_1.R1010	myb_dna-binding(HMM:0.0025)
2667	LIB3168-051-P1-K1-E4	myb_dna-binding(HMM:0.0028)
2668	116942_1.R1010	myb_dna-binding(HMM:0.0082)
2669	LIB3175-034-P1-K1-A12	myb_dna-binding(HMM:0.027)
2670	59403_2.R1010	myb_dna-binding(HMM:0.054)
2671	70528_1.R1010	myb_dna-binding(HMM:0.063)
2672	LIB146-030-Q1-K1-B6	myb_dna-binding(HMM:0.14)
2673	906292	myb_dna-binding(HMM:0.14)
2674	338_2.R1010	myb_dna-binding(HMM:0.65)
2675	2748969	myb_dna-binding(HMM:0.85)
2676	PLN_g1495252	myb_dna-binding(HMM:0.87)
2677	LIB23-037-Q1-E1-H11	myb_dna-binding(HMM:1.1e-46)
2678	PLN_g455462	myb_dna-binding(HMM:1.2e-18)
2679	PLN_g217858	myb_dna-binding(HMM:1.2e-39)
2680	PLN_g1254994	myb_dna-binding(HMM:1.2e-41)
2681	21100_1.R1010	myb_dna-binding(HMM:1.3e-41)
2682	337_1.R1010	myb_dna-binding(HMM:1.3e-42)
2683	339_1.R1010	myb_dna-binding(HMM:1.3e-44)
2684	LIB3168-071-P1-K1-C6	myb_dna-binding(HMM:1.3e-44)
2685	117448_1.R1010	myb_dna-binding(HMM:1.4e-09)
2686	22848_1.R1010	myb_dna-binding(HMM:1.4e-17)
2687	7193_1.R1010	myb_dna-binding(HMM:1.4e-18)
2688	1751_1.R1010	myb_dna-binding(HMM:1.5)
2689	96_1.R1010	myb_dna-binding(HMM:1.5e-37)
2690	338_1.R1010	myb_dna-binding(HMM:1.5e-44)
2691	PLN_g3941471	myb_dna-binding(HMM:1.5e-45)
2692	125583_2.R1010	myb_dna-binding(HMM:1.6e-38)
2693	jC-atXN563193a2	myb_dna-binding(HMM:1.7)
2694	117090_1.R1010	myb_dna-binding(HMM:1.7)
2695	1749_1.R1010	myb_dna-binding(HMM:1.8e-17)
2696	33812_1.R1010	myb_dna-binding(HMM:1.8e-35)
2697	21524_1.R1010	myb_dna-binding(HMM:1.8e-37)
2698	1740_1.R1010	myb_dna-binding(HMM:1.9e-30)
2699	LIB22-001-Q1-E1-G3	myb_dna-binding(HMM:1.9e-40)
2700	10288_1.R1010	myb_dna-binding(HMM:2.1e-06)
2701	1748_1.R1010	myb_dna-binding(HMM:2.1e-11)
2702	368_1.R1010	myb_dna-binding(HMM:2.2e-43)
2703	25441_1.R1010	myb_dna-binding(HMM:2.2e-43)
2704	PLN_g1263092	myb_dna-binding(HMM:2.2e-45)
2705	2763242	myb_dna-binding(HMM:2.2e-45)
2706	PLN_g3941435	myb_dna-binding(HMM:2.3e-16)
2707	1753_1.R1010	myb_dna-binding(HMM:2.3e-39)
2708	6889_1.R1010	myb_dna-binding(HMM:2.4e-44)
2709	494_1.R1010	myb_dna-binding(HMM:2.5e-09)
		myb_dna-binding(HMM:2.5e-11)

2710	1747_2.R1010	myb_dna-binding(HMM:2.5e-15)
2711	PLN_g1732512	myb_dna-binding(HMM:2.5e-42)
2712	1752_1.R1010	myb_dna-binding(HMM:2.5e-45)
2713	1750_1.R1010	myb_dna-binding(HMM:2.6e-38)
2714	1744_1.R1010	myb_dna-binding(HMM:2.6e-41)
2715	8478_1.R1010	myb_dna-binding(HMM:2.7e-09)
2716	17177_1.R1010	myb_dna-binding(HMM:2.7e-31)
2717	LIB3177-091-P1-K1-F4	myb_dna-binding(HMM:2.9e-26)
2718	LIB3177-078-P1-K1-F8	myb_dna-binding(HMM:2.9e-32)
2719	19235_2.R1010	myb_dna-binding(HMM:2e-05)
2720	367_2.R1010	myb_dna-binding(HMM:3.1e-05)
2721	PLN_g2280527	myb_dna-binding(HMM:3.2e-42)
2722	725_1.R1010	myb_dna-binding(HMM:3.2e-44)
2723	7193_2.R1010	myb_dna-binding(HMM:3.4e-43)
2724	1033_1.R1010	myb_dna-binding(HMM:3.7e-41)
2725	1338_1.R1010	myb_dna-binding(HMM:3.8e-11)
2726	LIB24-006-Q1-E1-A2	myb_dna-binding(HMM:3.8e-21)
2727	1023_1.R1010	myb_dna-binding(HMM:4.3e-44)
2728	1737_1.R1010	myb_dna-binding(HMM:4.8e-47)
2729	1743_1.R1010	myb_dna-binding(HMM:4.9e-36)
2730	PLN_g3941467	myb_dna-binding(HMM:5.1e-36)
2731	1333_1.R1010	myb_dna-binding(HMM:5.1e-46)
2732	1738_1.R1010	myb_dna-binding(HMM:5.1e-46)
2733	9038_1.R1010	myb_dna-binding(HMM:5.3e-12)
2734	1034_1.R1010	myb_dna-binding(HMM:5.4e-16)
2735	225_1.R1010	myb_dna-binding(HMM:5.6e-42)
2736	1486_1.R1010	myb_dna-binding(HMM:5.8e-31)
2737	936051	myb_dna-binding(HMM:5.9e-14)
2738	PLN_g2832407	myb_dna-binding(HMM:6.1e-35)
2739	1032_1.R1010	myb_dna-binding(HMM:6.3e-42)
2740	PLN_g2346965	myb_dna-binding(HMM:6e-05)
2741	LIB3175-046-P1-K1-B10	myb_dna-binding(HMM:6e-22)
2742	2757484	myb_dna-binding(HMM:7.1e-18)
2743	1772_2.R1010	myb_dna-binding(HMM:7.1e-47)
2744	1738_2.R1010	myb_dna-binding(HMM:7.6e-34)
2745	10057_1.R1010	myb_dna-binding(HMM:7e-10)
2746	8189_1.R1010	myb_dna-binding(HMM:7e-20)
2747	43001_1.R1010	myb_dna-binding(HMM:8.3e-10)
2748	10057_3.R1010	myb_dna-binding(HMM:8.6e-10)
2749	335_1.R1010	myb_dna-binding(HMM:8.8e-42)
2750	1747_1.R1010	myb_dna-binding(HMM:8.9e-42)
2751	1739_1.R1010	myb_dna-binding(HMM:9.5e-44)
2752	1750_2.R1010	myb_dna-binding(HMM:9.6e-08)
2753	LIB3175-061-P1-K1-F8	nam(HMM:0.0021)
2754	jC-atXLIB327424P1g06b2	nam(HMM:0.0048)
2755	398614	nam(HMM:0.04)
2756	28582_1.R1010	nam(HMM:0.2)
2757	jC-atXLIB327430P1e05b1	nam(HMM:0.37)
2758	LIB3175-076-P1-K1-B2	nam(HMM:0.88)
2759	623015	nam(HMM:1.1e-05)
2760	12650_4.R1010	nam(HMM:1.1e-07)
2761	2596320	nam(HMM:1.1e-15)
2762	8647_2.R1010	nam(HMM:1.1e-35)
2763	6414_1.R1010	nam(HMM:1.1e-78)

2764	LIB3234-050-P1-K1-F8	nam(HMM:1.2e-09)
2765	LIB3234-059-P1-K1-G11	nam(HMM:1.2e-22)
2766	958017	nam(HMM:1.2e-26)
2767	71466_1.R1010	nam(HMM:1.3e-17)
2768	933621	nam(HMM:1.3e-26)
2769	6010_1.R1010	nam(HMM:1.3e-80)
2770	76966_2.R1010	nam(HMM:1.4e-20)
2771	120288_1.R1010	nam(HMM:1.4e-78)
2772	LIB22-002-Q1-E1-D6	nam(HMM:1.5e-21)
2773	7903_1.R1010	nam(HMM:1.5e-36)
2774	LIB35-056-Q1-E2-B9	nam(HMM:1.5e-47)
2775	870872	nam(HMM:1.6e-49)
2776	4493_1.R1010	nam(HMM:1.6e-57)
2777	16313_1.R1010	nam(HMM:1.7e-05)
2778	455_1.R1010	nam(HMM:1.7e-82)
2779	2758682	nam(HMM:1.8e-34)
2780	28833_1.R1010	nam(HMM:1.9e-82)
2781	LIB3176-085-P1-K1-E10	nam(HMM:2.1e-10)
2782	LIB23-062-Q1-E1-C10	nam(HMM:2.1e-23)
2783	12650_1.R1010	nam(HMM:2.1e-79)
2784	LIB3168-082-P1-K1-A8	nam(HMM:2.3e-81)
2785	ARABL1-033-Q1-B1-G2	nam(HMM:2.4e-58)
2786	LIB23-027-Q1-E1-F3	nam(HMM:2.5e-05)
2787	LIB24-107-Q1-E1-D7	nam(HMM:2.6e-07)
2788	4281_2.R1010	nam(HMM:2.6e-10)
2789	135_1.R1010	nam(HMM:2.6e-91)
2790	54574_1.R1010	nam(HMM:2.7e-81)
2791	LIB23-066-Q1-E1-B1	nam(HMM:2.8e-33)
2792	957497	nam(HMM:2.8e-59)
2793	23543_1.R1010	nam(HMM:2e-12)
2794	521_1.R1010	nam(HMM:2e-85)
2795	17791_1.R1010	nam(HMM:3.1e-63)
2796	3089_1.R1010	nam(HMM:3.1e-89)
2797	24699_1.R1010	nam(HMM:3.4e-16)
2798	19379_1.R1010	nam(HMM:3.6e-50)
2799	1033258	nam(HMM:3e-07)
2800	30659_1.R1010	nam(HMM:4.1e-10)
2801	jC-atXP123C117E1T7036d1	nam(HMM:4.2e-13)
2802	12539_1.R1010	nam(HMM:4.4e-26)
2803	2762247	nam(HMM:4.5e-07)
2804	jC-atXLIB327408P1d11b1	nam(HMM:4.5e-59)
2805	200_1.R1010	nam(HMM:4.5e-90)
2806	ARABL1-045-Q1-B1-E8	nam(HMM:4.7e-26)
2807	LIB3175-027-P1-K1-B12	nam(HMM:4.9e-29)
2808	76966_1.R1010	nam(HMM:5.2e-09)
2809	12365_1.R1010	nam(HMM:5.2e-22)
2810	4281_1.R1010	nam(HMM:5.7e-40)
2811	17124_1.R1010	nam(HMM:5e-58)
2812	273_1.R1010	nam(HMM:6.1e-91)
2813	5370_1.R1010	nam(HMM:6.2e-16)
2814	LIB35-028-Q1-E1-B12	nam(HMM:6.7e-06)
2815	29965_1.R1010	nam(HMM:6.7e-59)
2816	LIB3168-083-P1-K1-F5	nam(HMM:6.9e-06)
2817	34649_1.R1010	nam(HMM:7.3e-10)

2818	12405_1.R1010	nam(HMM:7.5e-10)
2819	LIB24-045-Q1-E1-H6	nam(HMM:7.7e-29)
2820	jC-atXLIB327424P3f06b1	nam(HMM:7.8)
2821	33543_1.R1010	nam(HMM:7e-84)
2822	LIB3176-106-P1-K1-E2	nam(HMM:8.3e-10)
2823	LIB22-002-Q1-E1-E9	nam(HMM:8.7e-11)
2824	18292_1.R1010	nam(HMM:8.8e-86)
2825	2047367	nam(HMM:9.2e-64)
2826	8647_1.R1010	nam(HMM:9.4e-38)
2827	LIB3177-007-P1-K1-E7	nap_family(HMM:0.0014)
2828	30951_1.R1010	nap_family(HMM:0.0067)
2829	906184	nap_family(HMM:0.023)
2830	LIB3176-036-P1-K1-A6	nap_family(HMM:0.065)
2831	jC-atXP62C203C3T7022a1	nap_family(HMM:1.1e-05)
2832	LIB3177-005-P1-K1-B6	nap_family(HMM:1.4e-05)
2833	LIB3175-004-P1-K1-E9	nap_family(HMM:2.6e-06)
2834	2852_1.R1010	nap_family(HMM:2.7e-09)
2835	4462_1.R1010	nap_family(HMM:3.1e-13)
2836	2798_1.R1010	nap_family(HMM:3e-07)
2837	3157_1.R1010	nap_family(HMM:4.3e-08)
2838	8405_1.R1010	nap_family(HMM:4.4e-09)
2839	jC-alX22045Q1E1C02b1	nap_family(HMM:5.3e-15)
2840	21195_1.R1010	nap_family(HMM:5.6e-37)
2841	LIB3177-021-P1-K2-A7	nap_family(HMM:5.8e-16)
2842	2852_2.R1010	nap_family(HMM:7.9e-103)
2843	LIB3168-067-P1-K1-F5	phd(HMM:0.013)
2844	1620_1.R1010	phd(HMM:0.015)
2845	57640_1.R1010	phd(HMM:0.02)
2846	1619_1.R1010	phd(HMM:0.1)
2847	129014_1.R1010	phd(HMM:0.34)
2848	LIB3234-096-P1-K1-C2	phd(HMM:0.47)
2849	LIB23-021-Q2-E1-C12	phd(HMM:1.1e-06)
2850	95652_1.R1010	phd(HMM:1.5e-08)
2851	LIB22-063-Q1-E1-C9	phd(HMM:1.6e-12)
2852	LIB3168-006-P1-K1-E7	phd(HMM:2e-15)
2853	jC-atXL1044Q1E1G11a1	phd(HMM:3.4e-13)
2854	jC-atXP60C197M21T7027a1	phd(HMM:3.5e-09)
2855	LIB3177-015-P1-K2-B1	phd(HMM:3.7e-05)
2856	157847_1.R1010	phd(HMM:5.8e-09)
2857	103629_1.R1010	phd(HMM:7.5e-08)
2858	2538_1.R1010	phd(HMM:7e-12)
2859	2538_3.R1010	phd(HMM:7e-12)
2860	jC-atXP44C171F7T7024a1	phd(HMM:7e-12)
2861	LIB23-031-Q1-E1-G5	phd(HMM:9e-05)
2862	LIB3175-033-P1-K1-E1	response_reg(HMM:0.00012)
2863	LIB3177-016-P1-K1-C5	response_reg(HMM:0.00074)
2864	LIB3177-020-P1-K1-E2	response_reg(HMM:1.2)
2865	LIB3176-028-P1-K1-A2	response_reg(HMM:1.2e-13)
2866	244_1.R1010	response_reg(HMM:1.2e-23)
2867	393_1.R1010	response_reg(HMM:1.3e-26)
2868	2413769	response_reg(HMM:1.5e-06)
2869	403_2.R1010	response_reg(HMM:1.5e-28)
2870	1327644	response_reg(HMM:1.7e-09)
2871	2748920	response_reg(HMM:1.8e-16)

2872	395_1.R1010	response_reg(HMM:1.8e-27)
2873	7957_1.R1010	response_reg(HMM:1.8e-27)
2874	21872_1.R1010	response_reg(HMM:3.1e-32)
2875	403_1.R1010	response_reg(HMM:3.5e-29)
2876	21672_1.R1010	response_reg(HMM:3.8e-06)
2877	PLN_g3953604	response_reg(HMM:3e-10)
2878	PLN_g1679802	response_reg(HMM:4.1e-28)
2879	256_1.R1010	response_reg(HMM:4.4e-26)
2880	262_1.R1010	response_reg(HMM:4.4e-32)
2881	PLN_g3953594	response_reg(HMM:4.7e-26)
2882	LIB3175-052-P1-K1-F4	response_reg(HMM:5e-32)
2883	jC-atXP96CH2D6T7b1	response_reg(HMM:6.1e-27)
2884	391_1.R1010	response_reg(HMM:8.2e-27)
2885	jC-atXP29C138J22T7047d1	response_reg(HMM:8.8e-21)
2886	8195_1.R1010	sbpb(HMM:0.0021)
2887	22477_2.R1010	sbpb(HMM:0.0031)
2888	735947	sbpb(HMM:0.22)
2889	22477_1.R1010	sbpb(HMM:1.2e-42)
2890	19483_1.R1010	sbpb(HMM:1.4e-13)
2891	6824_1.R1010	sbpb(HMM:4.5e-45)
2892	1224_1.R1010	sbpb(HMM:4.8e-46)
2893	LIB22-030-Q1-E1-F1	sbpb(HMM:7.4e-46)
2894	394856	sbpb(HMM:8e-07)
2895	1158768	sbpb(HMM:9.5e-45)
2896	LIB3176-024-P1-K1-G3	scr(HMM:0.00023)
2897	10912_3.R1010	scr(HMM:0.0014)
2898	LIB3168-058-P1-K1-F3	scr(HMM:0.0031)
2899	68978_1.R1010	scr(HMM:0.01)
2900	jC-atXN38694a1	scr(HMM:0.03)
2901	57113_1.R1010	scr(HMM:1)
2902	99356_1.R1010	scr(HMM:1.1e-06)
2903	81940_1.R1010	scr(HMM:1.1e-14)
2904	34737_1.R1010	scr(HMM:1.2e-17)
2905	115765_1.R1010	scr(HMM:1.3e-05)
2906	11140_1.R1010	scr(HMM:1.3e-09)
2907	jC-atXLIB327416P2g07a1	scr(HMM:1.4e-09)
2908	LIB22-025-Q1-E1-A1	scr(HMM:1.4e-23)
2909	139933_1.R1010	scr(HMM:1.4e-31)
2910	jC-atXLIB327419P1g05a2	scr(HMM:1.5e-06)
2911	6888_1.R1010	scr(HMM:1.6e-09)
2912	1156_1.R1010	scr(HMM:1.7e-185)
2913	222_1.R1010	scr(HMM:1.8e-185)
2914	LIB3177-036-P1-K1-E3	scr(HMM:1.9e-05)
2915	1155_2.R1010	scr(HMM:1.9e-18)
2916	111122_1.R1010	scr(HMM:2.5e-12)
2917	6443_2.R1010	scr(HMM:2.8e-118)
2918	24475_1.R1010	scr(HMM:2e-09)
2919	5003_1.R1010	scr(HMM:2e-15)
2920	jC-alXLIB327434P1g12b1	scr(HMM:2e-40)
2921	115767_2.R1010	scr(HMM:3.1e-08)
2922	jC-atXLIB327408P2a09a1	scr(HMM:3.3e-05)
2923	36525_1.R1010	scr(HMM:3e-08)
2924	LIB3168-028-P1-K1-B4	scr(HMM:4.2e-05)
2925	586965	scr(HMM:4.2e-12)

2926	19298_1.R1010	scr(HMM:4.5e-11)
2927	51773_1.R1010	scr(HMM:4.6e-05)
2928	LIB24-005-Q1-E1-G12	scr(HMM:5.4e-09)
2929	33892_1.R1010	scr(HMM:5.6e-06)
2930	6443_1.R1010	scr(HMM:6.3e-06)
2931	59776_1.R1010	scr(HMM:7.1e-07)
2932	39_1.R1010	scr(HMM:7.4e-171)
2933	87448_1.R1010	scr(HMM:7.6e-15)
2934	jC-atX22069Q1E1B01a1	scr(HMM:7.8e-36)
2935	88702_1.R1010	scr(HMM:8.3e-29)
2936	1155_1.R1010	scr(HMM:9.2e-188)
2937	LIB3177-080-P1-K1-G7	set(HMM:0.0021)
2938	16791	set(HMM:0.0036)
2939	jC-atXP32C147O24T7d2	set(HMM:0.0065)
2940	119988_1.R1010	set(HMM:1e-23)
2941	20908_1.R1010	set(HMM:2.6e-45)
2942	PLN_g3089624	set(HMM:4.1e-55)
2943	1852_1.R1010	set(HMM:4.9e-56)
2944	590_1.R1010	set(HMM:5.4e-57)
2945	5387_1.R1010	set(HMM:7.1e-08)
2946	LIB3234-004-P1-K1-F1	set(HMM:9.1e-07)
2947	1932_1.R1010	snf2_n(HMM:0.1)
2948	LIB22-063-Q1-E1-C6	snf2_n(HMM:0.13)
2949	7289_1.R1010	snf2_n(HMM:0.2)
2950	3933_1.R1010	snf2_n(HMM:0.97)
2951	117341_1.R1010	snf2_n(HMM:1.1e-08)
2952	1328354	snf2_n(HMM:1.6e-12)
2953	LIB24-048-Q1-E1-G10	snf2_n(HMM:1e-16)
2954	LIB24-085-Q1-E1-D12	snf2_n(HMM:1e-20)
2955	20132_1.R1010	snf2_n(HMM:2.2e-05)
2956	1328372	snf2_n(HMM:2.3e-26)
2957	LIB3234-006-P1-K1-H1	snf2_n(HMM:3.1e-11)
2958	LIB23-012-Q1-E1-G1	snf2_n(HMM:3e-11)
2959	LIB24-019-Q1-E1-H9	snf2_n(HMM:4.9e-11)
2960	28253_1.R1010	srf-tf(HMM:1.1e-31)
2961	5431_1.R1010	srf-tf(HMM:1.1e-34)
2962	jC-atXLIB327403P3h07b1	srf-tf(HMM:1.4e-07)
2963	LIB25-111-Q1-E1-C9	srf-tf(HMM:1.5e-07)
2964	LIB3177-085-P1-K1-G5	srf-tf(HMM:2.9e-35)
2965	14225_2.R1010	srf-tf(HMM:2e-29)
2966	14225_3.R1010	srf-tf(HMM:2e-29)
2967	30922_1.R1010	srf-tf(HMM:3.3e-36)
2968	jC-alX24119Q1E1A11b1	srf-tf(HMM:3e-10)
2969	2733904	srf-tf(HMM:4.6e-23)
2970	30922_2.R1010	srf-tf(HMM:4.9e-07)
2971	LIB24-045-Q1-E1-F2	srf-tf(HMM:5.2e-05)
2972	26694_1.R1010	srf-tf(HMM:5.5e-18)
2973	4714014	srf-tf(HMM:6.1e-13)
2974	LIB25-016-Q1-E1-F11	srf-tf(HMM:7.5e-38)
2975	26442_1.R1010	srf-tf(HMM:9.8e-33)
2976	jC-atXP96C24915T7b1	tbp(HMM:1.2e-38)
2977	1249_2.R1010	tbp(HMM:1.5e-81)
2978	1249_1.R1010	tbp(HMM:1.9e-80)
2979	LIB3234-033-P1-K1-H1	teo(HMM:0.0019)

2980	jC-atXP86CG9F1T7b1	teo(HMM:0.0043)
2981	jC-atXP86CG9F1T7d2	teo(HMM:0.006)
2982	1768_1.R1010	teo(HMM:1.5e-41)
2983	jC-atXLIB327414P2c10a1	teo(HMM:1.6e-25)
2984	LIB3234-095-P1-K1-H10	teo(HMM:1.9e-17)
2985	14761_1.R1010	teo(HMM:2.1e-36)
2986	2763426	teo(HMM:2.3e-16)
2987	46854_1.R1010	teo(HMM:2.4e-19)
2988	16107_1.R1010	teo(HMM:3.1e-11)
2989	33449_1.R1010	teo(HMM:3.1e-38)
2990	27952_1.R1010	teo(HMM:3.5e-36)
2991	8400_2.R1010	teo(HMM:4.1e-10)
2992	36908_1.R1010	teo(HMM:6.2e-44)
2993	7511_1.R1010	teo(HMM:7.3e-36)
2994	7171_1.R1010	teo(HMM:8.2e-33)
2995	16530_1.R1010	teo(HMM:9.7e-36)
2996	2413898	tfiis(HMM:0.015)
2997	LIB23-027-Q1-E1-E11	tfiis(HMM:3.6e-06)
2998	1343_2.R1010	transcript_fac2(HMM:0.1)
2999	35455_1.R1010	transcript_fac2(HMM:0.28)
3000	1343_1.R1010	transcript_fac2(HMM:3.1e-57)
3001	1271_1.R1010	transcript_fac2(HMM:4.1e-59)
3002	jC-atX22014Q1E1C12a1	trihelix(HMM:0.0014)
3003	103841_1.R1010	trihelix(HMM:0.0024)
3004	2393630	trihelix(HMM:0.0031)
3005	78762_1.R1010	trihelix(HMM:0.028)
3006	jC-atXLIB327418P1a10b1	trihelix(HMM:0.88)
3007	189_1.R1010	trihelix(HMM:1.2e-118)
3008	LIB146-020-Q1-E1-E3	trihelix(HMM:1.2e-12)
3009	852_1.R1010	trihelix(HMM:1.6e-56)
3010	191_1.R1010	trihelix(HMM:2.3e-120)
3011	24518_1.R1010	trihelix(HMM:2.6e-07)
3012	LIB24-135-Q1-E1-H4	trihelix(HMM:3.4e-53)
3013	27618_1.R1010	trihelix(HMM:4.3e-07)
3014	LIB24-003-Q1-E1-D5	trihelix(HMM:5.8)
3015	5312_1.R1010	trihelix(HMM:6.1e-39)
3016	22425_1.R1010	trihelix(HMM:7e-05)
3017	191_2.R1010	trihelix(HMM:8.6e-46)
3018	jC-atXLIB327411P3d07b1	wrky(HMM:0.0026)
3019	5826_1.R1010	wrky(HMM:0.0031)
3020	8539_1.R1010	wrky(HMM:0.0039)
3021	56239_1.R1010	wrky(HMM:0.015)
3022	LIB3168-082-P1-K1-E5	wrky(HMM:0.02)
3023	LIB3168-019-P1-K1-F2	wrky(HMM:0.16)
3024	LIB3177-019-P1-K2-B10	wrky(HMM:0.21)
3025	88718_1.R1010	wrky(HMM:0.27)
3026	2393545	wrky(HMM:0.34)
3027	LIB3175-020-P1-K1-G2	wrky(HMM:1.1e-05)
3028	jC-atXLIB327406P2b07a1	wrky(HMM:1.1e-22)
3029	1527_1.R1010	wrky(HMM:1.2e-40)
3030	jC-atXP39C161C17T7s1	wrky(HMM:1.4e-26)
3031	81064_1.R1010	wrky(HMM:1.6e-41)
3032	9804_1.R1010	wrky(HMM:1.6e-74)
3033	1327735	wrky(HMM:1.7e-05)

3034	118163_1.R1010	wrky(HMM:1.7e-29)
3035	LIB22-006-Q1-E1-G11	wrky(HMM:1.9e-08)
3036	14802_1.R1010	wrky(HMM:1.9e-35)
3037	5013_1.R1010	wrky(HMM:1.9e-38)
3038	LIB22-075-Q1-E1-H8	wrky(HMM:2.2e-09)
3039	jC-atXP119C193G18T7012a1	wrky(HMM:2.3e-43)
3040	jC-atXP15C106F16T7018a1	wrky(HMM:2.3e-45)
3041	2393223	wrky(HMM:2.4e-40)
3042	15470_1.R1010	wrky(HMM:2.8e-29)
3043	2759396	wrky(HMM:2e-28)
3044	1479_2.R1010	wrky(HMM:3.1e-86)
3045	jC-atXLIB327406P1d05b1	wrky(HMM:3.2e-35)
3046	LIB3175-048-P1-K1-B6	wrky(HMM:3.9e-35)
3047	56239_4.R1010	wrky(HMM:4.1e-06)
3048	56539_1.R1010	wrky(HMM:4.1e-38)
3049	73241_1.R1010	wrky(HMM:4.3e-24)
3050	2501_1.R1010	wrky(HMM:4.4e-39)
3051	LIB3176-030-P1-K1-B12	wrky(HMM:4.5e-16)
3052	773507	wrky(HMM:4e-35)
3053	93888_1.R1010	wrky(HMM:5.1e-42)
3054	102356_1.R1010	wrky(HMM:6.6e-13)
3055	1932911	wrky(HMM:7.4e-06)
3056	jC-atXP92C249D20T7085d1	wrky(HMM:7.4e-07)
3057	jC-atXP15C107M17T7066a1	wrky(HMM:7.8e-05)
3058	31824_1.R1010	wrky(HMM:8.3e-41)
3059	9668_1.R1010	"zf-b_box(HMM:0.00016),zf-constans(HMM:1.6e-33)"
3060	193_1.R1010	"zf-b_box(HMM:0.0044),zf-constans(HMM:2.7e-43)"
3061	5722_1.R1010	"zf-b_box(HMM:0.0063),zf-constans(HMM:8.4e-42)"
3062	LIB35-042-Q1-E1-A4	"zf-b_box(HMM:0.0063),zf-constans(HMM:8.4e-42)"
3063	LIB25-027-Q1-E1-H4	"zf-b_box(HMM:0.013),zf-constans(HMM:3.3e-08)"
3064	40_1.R1010	"zf-b_box(HMM:0.017),zf-constans(HMM:8.1e-42)"
3065	122486_1.R1010	"zf-b_box(HMM:0.028),zf-constans(HMM:5.6e-20)"
3066	PLN_g1161513	"zf-b_box(HMM:0.033),zf-constans(HMM:2.1e-40)"
3067	125594_2.R1010	"zf-b_box(HMM:0.039),zf-constans(HMM:3.5e-15)"
3068	51413_1.R1010	"zf-b_box(HMM:0.039),zf-constans(HMM:3.6e-26)"
3069	29526_1.R1010	"zf-b_box(HMM:0.042),zf-constans(HMM:7.6e-18)"
3070	1234_1.R1010	"zf-b_box(HMM:0.045),zf-constans(HMM:1.7e-41)"
3071	13583_1.R1010	"zf-b_box(HMM:0.053),zf-constans(HMM:3.7e-16)"
3072	17975_1.R1010	"zf-b_box(HMM:0.06),zf-constans(HMM:1.1e-17)"
3073	15190_1.R1010	"zf-b_box(HMM:0.063),zf-

3074	jC-atXLIB327431P4f03a1	constans(HMM:2.4e-15)" "zf-b_box(HMM:0.083),zf- constans(HMM:2.9e-31)"
3075	47411_1.R1010	"zf-b_box(HMM:0.096),zf- constans(HMM:2e-36)"
3076	24889_2.R1010	zf-c2h2(HMM:0.00051)
3077	27999_1.R1010	zf-c2h2(HMM:0.00064)
3078	jC-atXP82CG2D11T7b1	zf-c2h2(HMM:0.00067)
3079	10874_2.R1010	zf-c2h2(HMM:0.00069)
3080	970_1.R1010	zf-c2h2(HMM:0.0013)
3081	LIB3168-010-P1-K1-G9	zf-c2h2(HMM:0.0018)
3082	45108_2.R1010	zf-c2h2(HMM:0.004)
3083	80711_2.R1010	zf-c2h2(HMM:0.0074)
3084	jC-atXLIB327420P3h07b1	zf-c2h2(HMM:0.015)
3085	PLN_g790676	zf-c2h2(HMM:0.027)
3086	971_1.R1010	zf-c2h2(HMM:0.064)
3087	jC-atXP5C89H13T7036a1	zf-c2h2(HMM:0.064)
3088	969_1.R1010	zf-c2h2(HMM:0.072)
3089	PLN_g790672	zf-c2h2(HMM:0.072)
3090	PLN_g790674	zf-c2h2(HMM:0.072)
3091	8669_1.R1010	zf-c2h2(HMM:1.2e-11)
3092	PLN_g1418340	zf-c2h2(HMM:1.6e-07)
3093	1605_1.R1010	zf-c2h2(HMM:1.9e-09)
3094	1203_1.R1010	zf-c2h2(HMM:2.2e-06)
3095	5716_1.R1010	zf-c2h2(HMM:2e-05)
3096	1202_1.R1010	zf-c2h2(HMM:3.6e-08)
3097	PLN_g1418334	zf-c2h2(HMM:3.6e-08)
3098	101520_1.R1010	zf-c2h2(HMM:3.9e-09)
3099	1201_1.R1010	zf-c2h2(HMM:4.5e-10)
3100	80711_1.R1010	zf-c2h2(HMM:8.2e-12)
3101	1204_1.R1010	zf-c2h2(HMM:8.8e-09)
3102	460754	zf-c3hc4(HMM:0.00013)
3103	LIB3234-033-P1-K1-D11	zf-c3hc4(HMM:0.00013)
3104	77239_1.R1010	zf-c3hc4(HMM:0.00023)
3105	51315_1.R1010	zf-c3hc4(HMM:0.00028)
3106	1788_1.R1010	zf-c3hc4(HMM:0.00032)
3107	ARABL1-043-Q1-B1-B10	zf-c3hc4(HMM:0.00038)
3108	61662_1.R1010	zf-c3hc4(HMM:0.0004)
3109	65486_1.R1010	zf-c3hc4(HMM:0.00054)
3110	11806_1.R1010	zf-c3hc4(HMM:0.00066)
3111	2757852	zf-c3hc4(HMM:0.00077)
3112	8493_1.R1010	zf-c3hc4(HMM:0.00099)
3113	1520701	zf-c3hc4(HMM:0.0012)
3114	jC-atX24064Q1E1E05a1	zf-c3hc4(HMM:0.0015)
3115	115546_1.R1010	zf-c3hc4(HMM:0.002)
3116	76250_1.R1010	zf-c3hc4(HMM:0.0022)
3117	4272_5.R1010	zf-c3hc4(HMM:0.0024)
3118	46964_1.R1010	zf-c3hc4(HMM:0.0024)
3119	LIB3176-071-P1-K1-F4	zf-c3hc4(HMM:0.0026)
3120	150482_1.R1010	zf-c3hc4(HMM:0.003)
3121	jC-atXP101CE1E10T7058b1	zf-c3hc4(HMM:0.003)
3122	101734_1.R1010	zf-c3hc4(HMM:0.0033)
3123	jC-alXLIB327436P1g09b1	zf-c3hc4(HMM:0.0054)
3124	LIB35-037-Q1-E1-D7	zf-c3hc4(HMM:0.0054)

3125	13089_1.R1010	zf-c3hc4(HMM:0.0064)
3126	458787	zf-c3hc4(HMM:0.0084)
3127	115761_1.R1010	zf-c3hc4(HMM:0.0084)
3128	88598_1.R1010	zf-c3hc4(HMM:0.0099)
3129	LIB3176-086-P1-K1-F8	zf-c3hc4(HMM:0.011)
3130	77842_1.R1010	zf-c3hc4(HMM:0.015)
3131	88394_1.R1010	zf-c3hc4(HMM:0.015)
3132	LIB25-094-Q1-E1-B8	zf-c3hc4(HMM:0.015)
3133	LIB35-055-Q1-E2-H12	zf-c3hc4(HMM:0.015)
3134	26804_1.R1010	zf-c3hc4(HMM:0.017)
3135	44005_1.R1010	zf-c3hc4(HMM:0.019)
3136	39331_1.R1010	zf-c3hc4(HMM:0.023)
3137	96673_1.R1010	zf-c3hc4(HMM:0.024)
3138	jC-alX24005Q1E1C11a1	zf-c3hc4(HMM:0.03)
3139	634831	zf-c3hc4(HMM:0.036)
3140	33548_1.R1010	zf-c3hc4(HMM:0.041)
3141	33887_1.R1010	zf-c3hc4(HMM:0.044)
3142	213_23.R1010	zf-c3hc4(HMM:0.048)
3143	jC-atXLIB327410P2h09a1	zf-c3hc4(HMM:0.049)
3144	116810_1.R1010	zf-c3hc4(HMM:0.06)
3145	85162_1.R1010	zf-c3hc4(HMM:0.061)
3146	88872_1.R1010	zf-c3hc4(HMM:0.063)
3147	5688_2.R1010	zf-c3hc4(HMM:0.065)
3148	25145_1.R1010	zf-c3hc4(HMM:0.067)
3149	jC-alXLIB327434P4h12a1	zf-c3hc4(HMM:0.068)
3150	LIB3177-067-P1-K1-F10	zf-c3hc4(HMM:0.069)
3151	16046_1.R1010	zf-c3hc4(HMM:0.072)
3152	LIB23-027-Q1-E1-H9	zf-c3hc4(HMM:0.075)
3153	64121_1.R1010	zf-c3hc4(HMM:0.08)
3154	91568_1.R1010	zf-c3hc4(HMM:0.085)
3155	906835	zf-c3hc4(HMM:0.11)
3156	75883_1.R1010	zf-c3hc4(HMM:0.17)
3157	LIB35-042-Q1-E1-B5	zf-c3hc4(HMM:0.22)
3158	79742_3.R1010	zf-c3hc4(HMM:0.25)
3159	2749609	zf-c3hc4(HMM:0.32)
3160	13387_1.R1010	zf-c3hc4(HMM:0.55)
3161	36130_1.R1010	zf-c3hc4(HMM:0.66)
3162	104041_1.R1010	zf-c3hc4(HMM:1.1e-05)
3163	40473_1.R1010	zf-c3hc4(HMM:1.1e-07)
3164	15228_1.R1010	zf-c3hc4(HMM:1.1e-09)
3165	714_1.R1010	"zf-c3hc4(HMM:1.1e-16),zz(HMM:4.4e-16)"
3166	jC-alXLIB327436P1g09a1	zf-c3hc4(HMM:1.2e-09)
3167	2763784	zf-c3hc4(HMM:1.4e-08)
3168	70486_1.R1010	zf-c3hc4(HMM:1.4e-08)
3169	28736_1.R1010	zf-c3hc4(HMM:1.4e-09)
3170	1793_1.R1010	zf-c3hc4(HMM:1.5e-12)
3171	74196_1.R1010	zf-c3hc4(HMM:1.6e-06)
3172	1785_1.R1010	zf-c3hc4(HMM:1.6e-11)
3173	jC-atX24027Q1E1F03a1	zf-c3hc4(HMM:1.6e-11)
3174	LIB22-004-Q1-E1-D10	zf-c3hc4(HMM:1.6e-11)
3175	2413955	zf-c3hc4(HMM:1.6e-12)
3176	8878_1.R1010	zf-c3hc4(HMM:1.7e-10)
3177	7144_1.R1010	zf-c3hc4(HMM:1.7e-11)

3178	jC-atXP13C103O3T7004a1	zf-c3hc4(HMM:1.8e-07)
3179	1786_1.R1010	zf-c3hc4(HMM:1.8e-09)
3180	LIB3176-051-P1-K1-H2	zf-c3hc4(HMM:1.8e-10)
3181	14579_1.R1010	zf-c3hc4(HMM:1e-11)
3182	jC-atXLIB327409P4h04a1	zf-c3hc4(HMM:2.1)
3183	79397_1.R1010	zf-c3hc4(HMM:2.1e-11)
3184	2062852	zf-c3hc4(HMM:2.2)
3185	jC-atXLIB327438P3e01a2	zf-c3hc4(HMM:2.2e-09)
3186	1795_1.R1010	zf-c3hc4(HMM:2.3e-09)
3187	2048291	zf-c3hc4(HMM:2.3e-10)
3188	1789_1.R1010	zf-c3hc4(HMM:2.4e-14)
3189	905856	zf-c3hc4(HMM:2.5e-06)
3190	88949_1.R1010	zf-c3hc4(HMM:2.6e-13)
3191	1787_1.R1010	zf-c3hc4(HMM:2.7e-10)
3192	101518_1.R1010	zf-c3hc4(HMM:2e-10)
3193	LIB23-028-Q1-E1-C3	zf-c3hc4(HMM:3.1e-06)
3194	jC-atXP1C64A5T7s2	zf-c3hc4(HMM:3.1e-07)
3195	74854_1.R1010	zf-c3hc4(HMM:3.1e-09)
3196	ARABL1-038-Q1-E1-G10	zf-c3hc4(HMM:3.1e-11)
3197	LIB3168-061-P1-K1-A9	zf-c3hc4(HMM:3.2e-10)
3198	1794_1.R1010	zf-c3hc4(HMM:3.3e-08)
3199	128642_1.R1010	zf-c3hc4(HMM:3.4e-05)
3200	jC-atXU104f1	zf-c3hc4(HMM:3.4e-05)
3201	10177_1.R1010	zf-c3hc4(HMM:3.4e-06)
3202	15228_2.R1010	zf-c3hc4(HMM:3.4e-10)
3203	8186_1.R1010	zf-c3hc4(HMM:3.7e-06)
3204	jC-atXLIB327431P4h03a1	zf-c3hc4(HMM:3.8e-07)
3205	24635_1.R1010	zf-c3hc4(HMM:3.9e-08)
3206	22255_1.R1010	zf-c3hc4(HMM:3.9e-09)
3207	1159615	zf-c3hc4(HMM:4.2e-09)
3208	2581694	zf-c3hc4(HMM:4.2e-10)
3209	jC-atXP69C219A23T7014d1	zf-c3hc4(HMM:4.2e-10)
3210	17051_1.R1010	zf-c3hc4(HMM:4.4e-08)
3211	1874_1.R1010	zf-c3hc4(HMM:4.5e-08)
3212	1792_1.R1010	zf-c3hc4(HMM:5.5e-09)
3213	6103_1.R1010	zf-c3hc4(HMM:5.8e-07)
3214	14617_1.R1010	zf-c3hc4(HMM:6.3e-10)
3215	2754_2.R1010	zf-c3hc4(HMM:6.4e-09)
3216	101364_1.R1010	zf-c3hc4(HMM:6.4e-10)
3217	jC-alXLIB327436P2d05a1	zf-c3hc4(HMM:6.5e-05)
3218	24834_1.R1010	zf-c3hc4(HMM:6.5e-11)
3219	4922_1.R1010	zf-c3hc4(HMM:6.6e-08)
3220	15369_1.R1010	zf-c3hc4(HMM:6.8e-12)
3221	949655	zf-c3hc4(HMM:7.1e-07)
3222	96498_1.R1010	zf-c3hc4(HMM:7.4e-08)
3223	74370_1.R1010	zf-c3hc4(HMM:7.8e-06)
3224	jC-atXLIB327408P4e09a1	zf-c3hc4(HMM:7.8e-10)
3225	396_1.R1010	zf-c3hc4(HMM:7e-11)
3226	10338_1.R1010	zf-c3hc4(HMM:8.1e-07)
3227	2047468	zf-c3hc4(HMM:8.2e-05)
3228	88616_1.R1010	zf-c3hc4(HMM:8.6e-09)
3229	2581616	zf-c3hc4(HMM:8.8e-08)
3230	213_12.R1010	zf-c3hc4(HMM:8.8e-08)
3231	128926_1.R1010	zf-c3hc4(HMM:8.8e-09)

3232	jC-atXP8C92K1T7d1	zf-c3hc4(HMM:8.e-12)
3233	47105_1.R1010	zf-c3hc4(HMM:8.e-07)
3234	57820_1.R1010	zf-c3hc4(HMM:8.e-12)
3235	127383_1.R1010	zf-c3hc4(HMM:9.2e-13)
3236	31344_1.R1010	zf-c3hc4(HMM:9.4e-06)
3237	1790_1.R1010	zf-c3hc4(HMM:9.7e-12)
3238	19591_1.R1010	zf-ccch(HMM:0.00014)
3239	22324_1.R1010	zf-ccch(HMM:0.00034)
3240	32632_1.R1010	zf-ccch(HMM:0.00038)
3241	11605_1.R1010	zf-ccch(HMM:0.0018)
3242	7176_1.R1010	zf-ccch(HMM:0.0023)
3243	LIB3234-087-Q1-K1-G12	zf-ccch(HMM:0.0095)
3244	20290_1.R1010	zf-ccch(HMM:0.0096)
3245	116042_1.R1010	zf-ccch(HMM:0.015)
3246	99257_1.R1010	zf-ccch(HMM:0.031)
3247	jC-atXP31C147B23T7s1	zf-ccch(HMM:0.031)
3248	jC-atXLIB327416P3e02a1	zf-ccch(HMM:0.04)
3249	LIB146-022-Q1-E1-E5	zf-ccch(HMM:0.046)
3250	1695_1.R1010	zf-ccch(HMM:0.098)
3251	116035_1.R1010	zf-ccch(HMM:1.5e-05)
3252	5626_1.R1010	zf-ccch(HMM:2.1e-06)
3253	8921_1.R1010	zf-ccch(HMM:2.1e-06)
3254	38040_1.R1010	zf-ccch(HMM:6.6e-16)
3255	1199_1.R1010	zf-cchc(HMM:0.00024)
3256	670_1.R1010	zf-cchc(HMM:0.0003)
3257	129921_1.R1010	zf-cchc(HMM:0.00053)
3258	jC-atXLIB327433P2a10a1	zf-cchc(HMM:0.0017)
3259	108675_1.R1010	zf-cchc(HMM:0.012)
3260	LIB3177-077-P1-K1-E7	zf-cchc(HMM:0.15)
3261	1200_1.R1010	zf-cchc(HMM:1.2e-05)
3262	22484_1.R1010	zf-cchc(HMM:1.5e-06)
3263	11483_1.R1010	zf-cchc(HMM:1.5e-17)
3264	LIB3176-047-P1-K1-D4	zf-cchc(HMM:1.7e-12)
3265	2763645	zf-cchc(HMM:2.6e-06)
3266	13021_1.R1010	zf-cchc(HMM:2.9e-11)
3267	129234_1.R1010	zf-cchc(HMM:4.1e-15)
3268	3418_1.R1010	zf-cchc(HMM:4.5e-05)
3269	LIB3176-069-P1-K1-H8	zf-constans(HMM:0.00032)
3270	47549_1.R1010	zf-constans(HMM:1.3e-14)
3271	28795_1.R1010	zf-constans(HMM:1.8e-31)
3272	74055_1.R1010	zf-constans(HMM:1.9e-16)
3273	315827	zf-constans(HMM:1e-10)
3274	28040_1.R1010	zf-constans(HMM:1e-25)
3275	131318_1.R1010	zf-constans(HMM:2.1e-18)
3276	7711_1.R1010	zf-constans(HMM:2.3e-14)
3277	2733155	zf-constans(HMM:2.7e-12)
3278	13864_8.R1010	zf-constans(HMM:3.3e-10)
3279	13864_3.R1010	zf-constans(HMM:3.9e-31)
3280	906416	zf-constans(HMM:4.8e-38)
3281	35325_1.R1010	zf-constans(HMM:5.6e-36)
3282	1216676	zf-constans(HMM:5e-07)
3283	jC-atXN442143a1	zf-constans(HMM:9.6e-10)
3284	1159714	zf-constans(HMM:9e-20)
3285	2048672	zf-mynd(HMM:0.037)

3286	123095_1.R1010	zf-mynd(HMM:0.27)
3287	117076_1.R1010	zf-mynd(HMM:0.85)
3288	102319_2.R1010	zf-mynd(HMM:2.3e-11)
3289	93572_1.R1010	zz(HMM:0.045)
3290	2470_1.R1010	zz(HMM:5.8e-08)
3291	550153	zz(HMM:7.6e-07)

3286 123095_1.R1010 zf-mynd(HMM:0.27)

3344	159357_2.R1011.f4	14-3-3(HMM:5.7e-05)
3345	xsy700213601.h1.f2	14-3-3(HMM:5.9e-05)
3346	LIB189-013-Q1-E1-G10.f2	14-3-3(HMM:5e-08)
3347	LIB3066-009-Q1-K1-A4.f1	14-3-3(HMM:5e-09)
3348	LIB3076-026-Q1-K1-B8.f1	14-3-3(HMM:6)
3349	LIB3066-042-Q1-K1-B8.f1	14-3-3(HMM:6.1e-34)
3350	LIB3150-097-P1-N1-B9.f3	14-3-3(HMM:6.4e-16)
3351	LIB3279-014-P1-K1-E9.f3	14-3-3(HMM:6.6e-37)
3352	LIB84-028-Q1-E1-H8.f3	14-3-3(HMM:6e-05)
3353	566_13.R1011.f2	14-3-3(HMM:7.2e-12)
3354	566_22.R1011.f1	14-3-3(HMM:7.2e-12)
3355	1410_6.R1011.f1	14-3-3(HMM:7.3e-19)
3356	uwc700153165.h1.f2	14-3-3(HMM:7.4e-31)
3357	LIB3069-008-Q1-K1-A8.f1	14-3-3(HMM:7.5e-25)
3358	594_11.R1011.f3	14-3-3(HMM:7.7e-10)
3359	uC-zmflb73008g02b1.f1	14-3-3(HMM:8.4e-09)
3360	uC-zmflmo17248f03b1.f3	14-3-3(HMM:8.8e-06)
3361	1410_2.R1011.f3	14-3-3(HMM:9.1e-113)
3362	uC-zmroB73017b10b1.f3	14-3-3(HMM:9.8e-28)
3363	159326_1.R1011.f4	ank(HMM:0.00011)
3364	pmx700086003.h1.f1	ank(HMM:0.00043)
3365	141962_2.R1011.f1	ank(HMM:0.00055)
3366	820_2.R1011.f3	ank(HMM:0.0013)
3367	uC-zmflmo17029f11b1.f2	ank(HMM:0.0031)
3368	pmx700082632.h1.f1	ank(HMM:0.01)
3369	195040_2.R1011.f4	ank(HMM:0.011)
3370	nbm700469772.h1.f6	ank(HMM:0.021)
3371	104308_1.R1011.f3	ank(HMM:0.037)
3372	uC-zmroteosinte018g09b1.f1	ank(HMM:0.047)
3373	wev700404933.h1.f3	ank(HMM:0.05)
3374	gct701171021.h1.f1	ank(HMM:0.054)
3375	1726_1.R1011.f3	ank(HMM:0.085)
3376	36318_1.R1011.f3	ank(HMM:0.15)
3377	uC-zmflb73119g02b1.f5	ank(HMM:0.35)
3378	45856_2.R1011.f2	ank(HMM:0.49)
3379	68346_1.R1011.f2	ank(HMM:1.1e-05)
3380	4075_1.R1011.f5	ank(HMM:1.1e-07)
3381	11869_2.R1011.f3	ank(HMM:1.1e-40)
3382	83366_1.R1011.f2	ank(HMM:1.2e-08)
3383	64217_2.R1011.f3	ank(HMM:1.2e-15)
3384	410_1.R1011.f1	ank(HMM:1.3e-13)
3385	543_33.R1011.f2	ank(HMM:1.3e-16)
3386	117287_1.R1011.f2	ank(HMM:1.4e-07)
3387	133011_1.R1011.f5	ank(HMM:1.4e-07)
3388	4893_1.R1011.f3	ank(HMM:1.4e-23)
3389	109900_1.R1011.f2	ank(HMM:1.7e-08)
3390	LIB3150-043-Q1-N1-F3.f3	ank(HMM:1.7e-12)
3391	xjt700093366.h1.f1	ank(HMM:1.8e-07)
3392	182080_2.R1011.f5	ank(HMM:1.9e-21)
3393	56561_1.R1011.f3	ank(HMM:1e-23)
3394	xjt700093477.h1.f2	ank(HMM:2.1e-18)
3395	138593_1.R1011.f2	ank(HMM:2.2e-08)
3396	40207_1.R1011.f2	ank(HMM:2.5e-11)
3397	15021_2.R1011.f2	ank(HMM:2.6e-20)

3398	2823_1.R1011.f2	ank(HMM:2.6e-21)
3399	59015_1.R1011.f3	ank(HMM:2.6e-29)
3400	153362_1.R1011.f6	ank(HMM:2.7e-32)
3401	820_1.R1011.f1	ank(HMM:2.7e-33)
3402	64217_1.R1011.f1	ank(HMM:2e-20)
3403	35891_1.R1011.f1	ank(HMM:2e-26)
3404	312551_1.R1011.f3	ank(HMM:2e-29)
3405	237913_1.R1011.f3	ank(HMM:3.3e-05)
3406	117462_1.R1011.f3	ank(HMM:3.5e-05)
3407	hbs701184147.h1.f2	ank(HMM:3.5e-11)
3408	uC-zmflb73093c09b2.f3	ank(HMM:3.6e-11)
3409	148636_1.R1011.f3	ank(HMM:3.7e-07)
3410	280157_1.R1011.f3	ank(HMM:3.7e-09)
3411	xsy700212143.h1.f1	ank(HMM:4.2e-06)
3412	13225_1.R1011.f1	ank(HMM:4.2e-17)
3413	11923_1.R1011.f3	ank(HMM:4.2e-19)
3414	42370_1.R1011.f1	ank(HMM:4.3e-09)
3415	LIB3062-043-Q1-K1-G11.f3	ank(HMM:4.3e-15)
3416	56078_1.R1011.f3	ank(HMM:4.4e-47)
3417	LIB3079-055-Q1-K1-A7.f2	ank(HMM:4.6e-05)
3418	LIB3150-064-P1-N1-E1.f1	ank(HMM:4.6e-11)
3419	113335_1.R1011.f1	ank(HMM:4.8e-08)
3420	12732_1.R1011.f2	ank(HMM:4e-37)
3421	uC-zmflb73349e02a2.f2	ank(HMM:5.3e-11)
3422	xyt700344979.h1.f1	ank(HMM:5.4e-11)
3423	zla700380073.h1.f1	ank(HMM:5.5e-07)
3424	141967_1.R1011.f3	ank(HMM:6.4e-32)
3425	211171_1.R1011.f2	ank(HMM:6.7e-20)
3426	uC-zmflmo17339f04b1.f3	ank(HMM:6.8e-05)
3427	gwl700614359.h1.f1	ank(HMM:6e-15)
3428	166006_1.R1011.f5	ank(HMM:7.7e-16)
3429	130820_1.R1011.f3	ank(HMM:8.1e-07)
3430	45856_1.R1011.f1	ank(HMM:8.3e-33)
3431	2823_2.R1011.f2	ank(HMM:8.6e-13)
3432	uC-zmrob73012e01b1.f3	ank(HMM:8e-09)
3433	qmh700030596.f1.f3	ap2-domain(HMM:0.00022)
3434	uC-zmflmo17278e09b1.f3	ap2-domain(HMM:0.00025)
3435	153248_1.R1011.f2	ap2-domain(HMM:0.00029)
3436	uC-zmroteosinte119c10b1.f2	ap2-domain(HMM:0.00029)
3437	LIB3075-022-Q1-K1-A3.f3	ap2-domain(HMM:0.00032)
3438	LIB3150-014-Q1-N1-B12.f3	ap2-domain(HMM:0.00038)
3439	rvi700458374.h1.f3	ap2-domain(HMM:0.0027)
3440	LIB3062-027-Q1-K1-B1.f3	ap2-domain(HMM:0.0031)
3441	hbs701183475.h1.f3	ap2-domain(HMM:0.0033)
3442	g5499545.f3	ap2-domain(HMM:0.0037)
3443	LIB3076-043-Q1-K1-H9.f2	ap2-domain(HMM:0.0085)
3444	qmh700029224.f1.f3	ap2-domain(HMM:0.009)
3445	LIB3150-014-Q1-N1-B11.f2	ap2-domain(HMM:0.0091)
3446	56107_1.R1011.f2	ap2-domain(HMM:0.015)
3447	7011_1.R1011.f2	ap2-domain(HMM:0.015)
3448	354982_1.R1011.f2	ap2-domain(HMM:0.045)
3449	uC-zmflmo17132f01a1.f5	ap2-domain(HMM:0.053)
3450	105425_1.R1011.f3	ap2-domain(HMM:0.21)
3451	LIB3150-034-Q1-N1-F5.f3	ap2-domain(HMM:0.21)

3452	LIB3279-060-P1-K1-B2.f3	ap2-domain(HMM:0.78)
3453	kem700610879.h1.f3	ap2-domain(HMM:0.89)
3454	LIB3078-051-Q1-K1-C6.f1	ap2-domain(HMM:1.1)
3455	LIB3066-002-Q1-K1-E6.f2	ap2-domain(HMM:1.1e-27)
3456	LIB143-064-Q1-E1-H9.f3	ap2-domain(HMM:1.2e-09)
3457	115159_1.R1011.f2	ap2-domain(HMM:1.2e-12)
3458	14954_2.R1011.f1	ap2-domain(HMM:1.2e-33)
3459	57898_1.R1011.f2	ap2-domain(HMM:1.4e-15)
3460	pmx700086814.h1.f3	ap2-domain(HMM:1.4e-18)
3461	LIB83-014-Q1-E1-E11.f1	ap2-domain(HMM:1.4e-30)
3462	LIB84-013-Q1-E1-H4.f1	ap2-domain(HMM:1.4e-32)
3463	LIB3115-032-P1-K1-F11.f1	ap2-domain(HMM:1.5e-31)
3464	94442_1.R1011.f3	ap2-domain(HMM:1.5e-34)
3465	fC-zmst700620948a1.f2	ap2-domain(HMM:1.6e-26)
3466	uC-zmflmo17073g07b1.f3	ap2-domain(HMM:1.8e-27)
3467	151326_1.R1011.f3	ap2-domain(HMM:1.8e-36)
3468	18554_1.R1011.f1	ap2-domain(HMM:1.8e-36)
3469	11285_1.R1011.f1	ap2-domain(HMM:1.9e-29)
3470	uwc700156315.h1.f3	ap2-domain(HMM:1e-10)
3471	19862_2.R1011.f1	ap2-domain(HMM:1e-32)
3472	uC-zmflmo17067g09b1.f3	ap2-domain(HMM:2.1e-06)
3473	1134_1.R1011.f1	ap2-domain(HMM:2.1e-68)
3474	69375_1.R1011.f2	ap2-domain(HMM:2.2e-20)
3475	LIB3279-008-P1-K1-H11.f3	ap2-domain(HMM:2.3)
3476	1015_1.R1011.f2	ap2-domain(HMM:2.4e-66)
3477	uC-zmflmo17207f07b1.f1	ap2-domain(HMM:2.5e-36)
3478	18_1.R1011.f3	ap2-domain(HMM:2.5e-38)
3479	21410_1.R1011.f3	ap2-domain(HMM:2.7e-39)
3480	LIB3062-015-Q1-K1-F11.f2	ap2-domain(HMM:2.7e-40)
3481	LIB3066-002-Q1-K1-D7.f3	ap2-domain(HMM:2.9e-09)
3482	LIB3066-025-Q1-K1-D10.f1	ap2-domain(HMM:2e-36)
3483	LIB3279-060-P1-K1-B7.f3	ap2-domain(HMM:3.1e-11)
3484	13324_1.R1011.f2	ap2-domain(HMM:3.1e-27)
3485	47138_1.R1011.f2	ap2-domain(HMM:3.3)
3486	LIB3062-046-Q1-K1-B1.f3	ap2-domain(HMM:3.4e-19)
3487	91505_1.R1011.f2	ap2-domain(HMM:3.4e-26)
3488	19319_1.R1011.f5	ap2-domain(HMM:3.5e-09)
3489	fC-zmst700623908a1.f2	ap2-domain(HMM:3.5e-48)
3490	18_5.R1011.f3	ap2-domain(HMM:3.7)
3491	uC-zmflmo17092h11b1.f2	ap2-domain(HMM:3.7e-05)
3492	282965_1.R1011.f1	ap2-domain(HMM:3.7e-36)
3493	788_1.R1011.f3	ap2-domain(HMM:3.7e-62)
3494	tfd700573489.h2.f2	ap2-domain(HMM:3e-41)
3495	zla700380117.h1.f3	ap2-domain(HMM:4.1)
3496	176781_1.R1011.f5	ap2-domain(HMM:4.1e-14)
3497	vux700161592.h1.f1	ap2-domain(HMM:4.2e-30)
3498	1134_2.R1011.f1	ap2-domain(HMM:4.5e-56)
3499	cjh700197716.h1.f2	ap2-domain(HMM:4.8e-37)
3500	LIB3062-042-Q1-K1-A4.f1	ap2-domain(HMM:5.1e-12)
3501	369_1.R1011.f4	ap2-domain(HMM:5.1e-38)
3502	LIB3156-001-Q1-K1-H9.f2	ap2-domain(HMM:5.3e-26)
3503	14954_1.R1011.f2	ap2-domain(HMM:5.4e-33)
3504	42286_1.R1011.f2	ap2-domain(HMM:5.6e-37)
3505	LIB3137-013-Q1-K1-H10.f3	ap2-domain(HMM:7.2e-07)

3544	167490_1.R1011.f3	arf(HMM:4.1e-84),b3(HMM:5e-29)
3545	uC-zmroteosinte011c06b1.f1	arf(HMM:4.4)
3546	5206_1.R1011.f3	arf(HMM:4.5e-15),iaa(HMM:7.3e-42)
3547	40180_1.R1011.f6	arf(HMM:4.6e-18),b3(HMM:0.39)
3548	ymt700219207.h1.f2	arf(HMM:4.8e-07)
3549	nbm700473253.h1.f2	arf(HMM:5.5e-05),b3(HMM:1.4e-14)
3550	rvt700551414.h1.f1	arf(HMM:5.7e-22)
3551	xjt700096660.h1.f2	arf(HMM:5e-14)
3552	14342_1.R1011.f2	arf(HMM:6.5e-21),iaa(HMM:1.6e-35)
3553	xsy700212223.h1.f2	arf(HMM:8.1),b3(HMM:2.2e-13)
3554	uC-zmflmo17242d12b1.f2	arf(HMM:8.2e-11)
3555	4856_1.R1011.f3	arf(HMM:8.5e-13)
3556	136361_1.R1011.f1	arf(HMM:8.7e-15)
3557	uC-zmflmo17187e06b1.f3	arf(HMM:9.5e-13),b3(HMM:3.9e-34)
3558	uC-zmflmo17020c04b1.f2	arf(HMM:9.7e-13),b3(HMM:1.2e-08)
3559	rvt700549405.h1.f3	arf(HMM:9.9e-06),b3(HMM:7.9e-10)
3560	26695_1.R1011.f6	arid(HMM:0.012)
3561	pmx700085770.h1.f1	arid(HMM:0.067)
3562	12446_1.R1011.f2	arid(HMM:5.8e-06)
3563	61331_1.R1011.f3	athook(HMM:0.067),linker_histo ne(HMM:4.5e-18)
3564	LIB3066-045-Q1-K1-G6.f3	b3(HMM:0.00014)
3565	cyk700051980.f1.f3	b3(HMM:0.0022)
3566	61168_1.R1011.f2	b3(HMM:1.2e-62)
3567	64730_3.R1011.f3	b3(HMM:1.8e-17)
3568	138382_1.R1011.f1	b3(HMM:1.9e-47)
3569	uC-zmflmo17150d04b1.f1	b3(HMM:2.6e-13)
3570	g2437851.f3	b3(HMM:3.8e-11)
3571	112988_1.R1011.f6	b3(HMM:3e-06)
3572	595_1.R1011.f1	b3(HMM:4.4e-72)
3573	uC-zmroteosinte109f10b3.f2	b3(HMM:5.5e-08)
3574	64730_1.R1011.f1	b3(HMM:8e-34)
3575	155104_1.R1011.f3	b3(HMM:9.8e-39)
3576	LIB3069-031-Q1-K1-A4.f1	bah(HMM:0.00023)
3577	122916_1.R1011.f2	bah(HMM:0.01)
3578	20651_1.R1011.f2	bah(HMM:1.6e-17),phd(HMM:2.6e-06)
3579	4802_1.R1011.f3	bah(HMM:1.7e-36),phd(HMM:9e-13)
3580	uC-zmflmo17280e09b1.f1	bah(HMM:1.9e-09)
3581	189689_1.R1011.f1	bah(HMM:1e-09)
3582	139677_1.R1011.f2	bah(HMM:1e-26)
3583	uC-zmroB73015h11b1.f2	bah(HMM:2.6e-30),phd(HMM:0.0085)
3584	uC-zmflb73057c03a2.f6	bah(HMM:5.1e-05)
3585	67623_1.R1011.f1	bah(HMM:8.8e-07)

3586	774_1.R1011.f1	bpf-1(HMM:0)
3587	774_2.R1011.f3	bpf-1(HMM:0)
3588	uC-zmflb73318h08b1.f1	bpf-1(HMM:3.3e-12)
3589	uC-zmflb73193b04b1.f1	bpf-1(HMM:4.2e-12)
3590	LIB3066-049-Q1-K1-B3.f2	bpf-1(HMM:4.5e-32)
3591	uC-zmflmo17187a03b1.f3	bpf-1(HMM:5.2e-13)
3592	LIB3279-059-P1-K1-C4.f1	bpf-1(HMM:7.7e-36)
3593	uC-zmflb73212e04a1.f2	bromodomain(HMM:0.00071)
3594	nbm700467939.h1.f2	bromodomain(HMM:0.0011)
3595	77245_1.R1011.f3	bromodomain(HMM:0.0019)
3596	76108_1.R1011.f3	bromodomain(HMM:0.082)
3597	ymt700223701.h1.f1	bromodomain(HMM:0.41)
3598	xjt700092623.h1.f1	bromodomain(HMM:0.55)
3599	266593_1.R1011.f1	bromodomain(HMM:1.5e-09)
3600	31955_1.R1011.f2	bromodomain(HMM:1.5e-19)
3601	pmx700090964.h1.f3	bromodomain(HMM:2.8e-22)
3602	45171_1.R1011.f1	bromodomain(HMM:4.7e-25)
3603	nwy700447086.h1.f1	bromodomain(HMM:5.4e-14)
3604	77056_1.R1011.f2	bromodomain(HMM:5e-07)
3605	66917_1.R1011.f1	bromodomain(HMM:6.1e-29)
3606	58940_1.R1011.f2	bromodomain(HMM:6.4e-12)
3607	wen700334517.h1.f3	bromodomain(HMM:7.9)
3608	12516_1.R1011.f3	bromodomain(HMM:9.5e-05)
3609	77258_1.R1011.f3	bromodomain(HMM:9.8e-32)
3610	wen700332659.h1.f1	bromodomain(HMM:9e-31)
3611	pmx700090579.h1.f2	btb(HMM:0.00013)
3612	uC-zmflmo17309d06b1.f2	btb(HMM:0.00014)
3613	94638_1.R1011.f1	btb(HMM:0.00028)
3614	wyr700242203.h1.f2	btb(HMM:0.023)
3615	LIB148-012-Q1-E1-E4.f1	btb(HMM:0.039)
3616	79402_1.R1011.f1	btb(HMM:0.083)
3617	5427_2.R1011.f4	btb(HMM:0.18)
3618	24283_1.R1011.f1	btb(HMM:1.2e-26)
3619	67288_1.R1011.f3	btb(HMM:1.4)
3620	46942_1.R1011.f1	btb(HMM:1.4e-28)
3621	56570_1.R1011.f1	btb(HMM:1.5e-20)
3622	136749_1.R1011.f3	btb(HMM:1.8e-08)
3623	230586_1.R1011.f2	btb(HMM:1.8e-08)
3624	36908_1.R1011.f2	btb(HMM:1.9e-20)
3625	vfk700404896.h1.f1	btb(HMM:1e-05)
3626	qmh700028765.f1.f3	btb(HMM:3.5)
3627	LIB189-031-Q1-E1-F6.f1	btb(HMM:4.5e-17)
3628	117075_1.R1011.f3	bzip(HMM:0.00045)
3629	19767_2.R1011.f3	bzip(HMM:0.0012)
3630	g297019.f1	bzip(HMM:0.0019)
3631	183787_1.R1011.f6	bzip(HMM:0.0021)
3632	184_1.R1011.f3	bzip(HMM:0.0023)
3633	19767_1.R1011.f2	bzip(HMM:0.0029)
3634	796_1.R1011.f3	bzip(HMM:0.0036)
3635	94067_1.R1011.f3	bzip(HMM:0.0037)
3636	LIB3078-008-Q1-K1-A8.f2	bzip(HMM:0.0046)
3637	80936_1.R1011.f3	bzip(HMM:0.0058)
3638	80936_3.R1011.f2	bzip(HMM:0.0058)
3639	66094_2.R1011.f1	bzip(HMM:0.0073)

3640	fC-zmro700834891.f1.f4	bzip(HMM:0.0084)
3641	996_1.R1011.f3	bzip(HMM:0.0098)
3642	36566_1.R1011.f1	bzip(HMM:0.011)
3643	uC-zmflb73142c04b1.f1	bzip(HMM:0.011)
3644	2705_1.R1011.f3	bzip(HMM:0.014)
3645	246805_1.R1011.f1	bzip(HMM:0.015)
3646	xsy700217015.h1.f2	bzip(HMM:0.031)
3647	31891_1.R1011.f2	bzip(HMM:0.035)
3648	cyk700051876.f1.f2	bzip(HMM:0.045)
3649	80936_4.R1011.f2	bzip(HMM:0.053)
3650	168_1.R1011.f2	bzip(HMM:0.074)
3651	1894_3.R1011.f3	bzip(HMM:0.079)
3652	16253_1.R1011.f2	bzip(HMM:0.11)
3653	uC-zmflmo17113b02b1.f1	bzip(HMM:0.11)
3654	LIB83-001-Q1-E1-H6.f3	bzip(HMM:0.17)
3655	26070_2.R1011.f1	bzip(HMM:0.23)
3656	xyt700343308.h1.f1	bzip(HMM:0.25)
3657	LIB3180-035-P2-M2-D10.f2	bzip(HMM:0.42)
3658	80936_2.R1011.f3	bzip(HMM:1)
3659	LIB3156-017-Q1-K1-B12.f1	bzip(HMM:1.3)
3660	9912_2.R1011.f2	bzip(HMM:1.3e-16)
3661	6292_1.R1011.f3	bzip(HMM:1.4e-12)
3662	65710_1.R1011.f1	bzip(HMM:1.4e-12)
3663	66302_1.R1011.f3	bzip(HMM:1.5)
3664	559_1.R1011.f2	bzip(HMM:1.5e-19)
3665	559_2.R1011.f1	bzip(HMM:1.5e-19)
3666	69626_1.R1011.f3	bzip(HMM:1.6e-21)
3667	11877_1.R1011.f2	bzip(HMM:1.7)
3668	fC-zmro700807549a1.f3	bzip(HMM:1.7e-15)
3669	uC-zmflmo17240b07b1.f1	bzip(HMM:1.7e-16)
3670	uC-zmflmo17219e03b1.f3	bzip(HMM:1.8e-05)
3671	174_1.R1011.f3	bzip(HMM:1e-06)
3672	LIB3067-002-Q1-K1-D4.f3	bzip(HMM:1e-08)
3673	76804_1.R1011.f1	bzip(HMM:1e-09)
3674	35221_3.R1011.f3	bzip(HMM:2.1e-12)
3675	19923_1.R1011.f1	bzip(HMM:2.1e-15)
3676	30964_1.R1011.f1	bzip(HMM:2.2e-13)
3677	3559_2.R1011.f3	bzip(HMM:2.3e-06)
3678	875_1.R1011.f3	bzip(HMM:2.4e-21)
3679	LIB3136-025-Q1-K1-G3.f2	bzip(HMM:2.4e-21)
3680	795_1.R1011.f3	bzip(HMM:2.6e-16)
3681	uC-zmroteosinte090c12b2.f2	bzip(HMM:2.9e-10)
3682	11539_1.R1011.f1	bzip(HMM:2.9e-11)
3683	149215_1.R1011.f1	bzip(HMM:2e-05)
3684	LIB3136-008-Q1-K1-F12.f2	bzip(HMM:2e-06)
3685	62007_1.R1011.f1	bzip(HMM:2e-11)
3686	548_1.R1011.f2	bzip(HMM:3e-17)
3687	495_1.R1011.f1	bzip(HMM:4.5e-14)
3688	13140_1.R1011.f3	bzip(HMM:4.9e-07)
3689	80158_1.R1011.f1	bzip(HMM:5.1e-20)
3690	66094_1.R1011.f3	bzip(HMM:5.3e-13)
3691	93670_1.R1011.f2	bzip(HMM:5.4e-13)
3692	93670_2.R1011.f1	bzip(HMM:5.4e-13)
3693	uC-zmflMo17086c07b1.f2	bzip(HMM:5.4e-21)

3694	uC-zmflmo17023a04b1.f3	bzip(HMM:5.8e-05)
3695	12102_1.R1011.f1	bzip(HMM:6.6e-14)
3696	91750_1.R1011.f2	bzip(HMM:6.8e-08)
3697	LIB3062-026-Q1-K1-D6.f1	bzip(HMM:6.9e-21)
3698	171_1.R1011.f3	bzip(HMM:7.1e-21)
3699	qmh700028533.f1.f3	bzip(HMM:7.3e-18)
3700	111526_1.R1011.f3	bzip(HMM:7.5e-12)
3701	9912_1.R1011.f3	bzip(HMM:8.1e-17)
3702	78927_1.R1011.f2	bzip(HMM:8.2)
3703	495_2.R1011.f1	bzip(HMM:9.1e-15)
3704	uC-zmroteosinte106e02b2.f1	bzip(HMM:9.3e-15)
3705	793_4.R1011.f1	cbfd_nfyb_hmf(HMM:0.00056)
3706	cyk700048913.f1.f1	cbfd_nfyb_hmf(HMM:0.0069)
3707	3683_1.R1011.f2	cbfd_nfyb_hmf(HMM:0.1)
3708	LIB3076-053-Q1-E1-F1.f2	cbfd_nfyb_hmf(HMM:1.1e-19)
3709	8110_2.R1011.f2	cbfd_nfyb_hmf(HMM:1.5e-17)
3710	793_1.R1011.f2	cbfd_nfyb_hmf(HMM:3.3e-37)
3711	LIB3066-048-Q1-K1-B3.f1	cbfd_nfyb_hmf(HMM:3.3e-37)
3712	uC-zmflb73001e01b1.f1	cbfd_nfyb_hmf(HMM:3.5e-06)
3713	25618_1.R1011.f3	cbfd_nfyb_hmf(HMM:3.6e-27)
3714	13043_1.R1011.f3	cbfd_nfyb_hmf(HMM:5.1e-29)
3715	LIB3059-019-Q1-K1-A3.f2	cbfd_nfyb_hmf(HMM:5.9e-23)
3716	793_2.R1011.f2	cbfd_nfyb_hmf(HMM:5e-39)
3717	uwc700154561.h1.f2	cbfd_nfyb_hmf(HMM:6.4e-05)
3718	8110_1.R1011.f3	cbfd_nfyb_hmf(HMM:6.8e-19)
3719	15049_1.R1011.f1	cbfd_nfyb_hmf(HMM:6.9e-15)
3720	793_3.R1011.f2	cbfd_nfyb_hmf(HMM:9.2e-38)
3721	g5108360.f6	chromo(HMM:0.016)
3722	wty700168802.h1.f2	chromo(HMM:0.02)
3723	123177_1.R1011.f3	chromo(HMM:0.95)
3724	65108_1.R1011.f2	chromo(HMM:2.3e-18)
3725	ceu700425120.h1.f3	chromo(HMM:3.9e-05)
3726	LIB3070-015-Q1-N1-A3.f2	csd(HMM:0.0019)
3727	uC-zmflmo17270b10b1.f2	csd(HMM:1.1),zf- cchc(HMM:0.77)
3728	LIB3137-035-Q1-K1-C7.f3	csd(HMM:1.1e-17)
3729	22575_1.R1011.f2	csd(HMM:2.8e-24),zf- cchc(HMM:7.5e-16)
3730	LIB3180-013-P2-M1-D2.f1	csd(HMM:5.5e-12)
3731	28942_1.R1011.f2	csd(HMM:5e-22)
3732	LIB3180-003-P2-M1-G12.f2	csd(HMM:8.3e-20)
3733	LIB3182-004-P2-M1-E8.f1	csd(HMM:9.8e-24)
3734	LIB3159-016-Q1-K1-C5.f1	dof(HMM:0.0053)
3735	726_1.R1011.f2	dof(HMM:1.3e-34)
3736	119611_1.R1011.f1	dof(HMM:1.3e-36)
3737	76636_1.R1011.f1	dof(HMM:2.6e-35)
3738	uC-zmflmo17322b10b1.f1	dof(HMM:2.7e-35)
3739	1164_1.R1011.f1	dof(HMM:2.8e-36)
3740	348176_1.R1011.f3	dof(HMM:2.9e-05)
3741	uC-zmflmo17300d10b1.f2	dof(HMM:6.4e-12)
3742	725_1.R1011.f3	dof(HMM:7e-32)
3743	789_1.R1011.f2	dof(HMM:7e-33)
3744	36684_1.R1011.f3	dof(HMM:8e-08)
3745	83493_1.R1011.f2	dpb(HMM:0.00088)

3746	7415_3.R1011.f2	dpb(HMM:0.0052)
3747	109657_1.R1011.f2	dpb(HMM:0.012)
3748	17195_2.R1011.f2	dpb(HMM:0.025)
3749	fxb700397533.h1.f2	dpb(HMM:0.059)
3750	7415_2.R1011.f3	dpb(HMM:0.07)
3751	42447_1.R1011.f3	dpb(HMM:1.4)
3752	7415_4.R1011.f2	dpb(HMM:1.5e-05)
3753	9825_2.R1011.f3	dpb(HMM:1e-06)
3754	109498_1.R1011.f3	dpb(HMM:3.4e-05)
3755	uC-zmflb73098h12b1.f3	dpb(HMM:3.4e-07)
3756	LIB3137-040-Q1-K1-F12.f2	dpb(HMM:3.6e-16)
3757	8830_1.R1011.f3	dpb(HMM:3.7e-52)
3758	7415_1.R1011.f3	dpb(HMM:3.9e-74)
3759	7415_5.R1011.f3	dpb(HMM:4.5)
3760	8830_2.R1011.f1	dpb(HMM:4.6e-17)
3761	9825_1.R1011.f1	dpb(HMM:8.7e-10)
3762	uC-zmroteosinte053e10b2.f2	enbp(HMM:0.00091)
3763	175089_1.R1011.f6	enbp(HMM:0.23)
3764	4_3.R1011.f1	enbp(HMM:2.5e-05)
3765	25860_1.R1011.f3	enbp(HMM:3.1e-26)
3766	uC-zmroteosinte038a09b1.f6	enbp(HMM:3e-08)
3767	g4646558.f2	enbp(HMM:3e-21)
3768	ceu700433052.h1.f3	enbp(HMM:4.4e-06)
3769	rvt700551738.h1.f1	enbp(HMM:4.4e-21)
3770	LIB3059-014-Q1-K1-D1.f2	enbp(HMM:4.6e-06)
3771	uC-zmflm17300a10b1.f3	enbp(HMM:5.9e-21)
3772	90700_1.R1011.f2	enbp(HMM:7.1e-15)
3773	LIB3115-030-P1-K1-C5.f1	enbp(HMM:9.7e-21)
3774	xyt700344683.h1.f2	gata(HMM:0.00021)
3775	5422_1.R1011.f2	gata(HMM:0.0017)
3776	g5608102.f4	gata(HMM:0.024)
3777	92655_1.R1011.f3	gata(HMM:1.2e-15)
3778	g5439296.f5	gata(HMM:1.6e-11)
3779	LIB3076-047-Q1-K1-G3.f3	gata(HMM:1.7e-07)
3780	LIB3136-044-P1-K1-H10.f2	gata(HMM:1.7e-15)
3781	uC-zmflb73054c10b1.f3	gata(HMM:1e-09)
3782	1852_1.R1011.f3	gata(HMM:3e-06)
3783	42120_1.R1011.f6	gata(HMM:4.3e-08)
3784	42120_2.R1011.f5	gata(HMM:4.3e-08)
3785	10646_1.R1011.f1	gata(HMM:4.5e-15)
3786	362_1.R1011.f4	gata(HMM:4.9e-15)
3787	ypc700804682.h1.f2	gata(HMM:7.7e-06)
3788	LIB3180-020-P2-M1-D3.f1	gata(HMM:9.6e-15)
3789	dyk700105142.h1.f2	gld-tea(HMM:0.00036)
3790	83829_1.R1011.f2	gld-tea(HMM:0.00063)
3791	uC-zmflb73199e11b1.f3	gld-tea(HMM:0.0042)
3792	LIB3070-013-Q1-N1-F11.f1	gld-tea(HMM:0.0067)
3793	LIB3150-031-Q1-N1-H9.f1	gld-tea(HMM:0.011)
3794	LIB3068-026-Q1-K1-C9.f1	gld-tea(HMM:0.013),myb_dna-binding(HMM:1.5e-11)
3795	wyr700239235.h1.f3	gld-tea(HMM:0.05)
3796	56327_1.R1011.f3	gld-tea(HMM:0.087)
3797	111218_2.R1011.f2	gld-tea(HMM:0.17)
3798	LIB3150-045-Q1-N1-E10.f2	gld-tea(HMM:0.33)

3799	111218_1.R1011.f2	gld-tea(HMM:0.64)
3800	11928_1.R1011.f2	gld-tea(HMM:1.2e-31)
3801	g5740668.f1	gld-tea(HMM:1.3e-29)
3802	106032_1.R1011.f3	gld-tea(HMM:1.3e-30)
3803	9580_1.R1011.f2	gld-tea(HMM:1.3e-36)
3804	uC-zmflb73195h02b1.f1	gld-tea(HMM:1.8)
3805	9580_2.R1011.f3	gld-tea(HMM:1.8e-31)
3806	g5607837.f5	gld-tea(HMM:1e-28)
3807	233343_1.R1011.f3	gld-tea(HMM:2.1e-17)
3808	63245_1.R1011.f1	gld-tea(HMM:2.3e-19)
3809	LIB3136-049-Q1-K1-D5.f2	gld-tea(HMM:3.1e-31)
3810	ypc700804994.h1.f2	gld-tea(HMM:3.1e-34)
3811	22554_1.R1011.f2	gld-tea(HMM:4.2e-29)
3812	127865_1.R1011.f3	gld-tea(HMM:4.4e-30)
3813	wen700332259.h1.f1	gld-tea(HMM:4.9e-07)
3814	wyr700239376.h1.f1	gld-tea(HMM:5.4e-27)
3815	LIB3088-004-Q1-K1-A4.f2	gld-tea(HMM:5.9e-12)
3816	15271_1.R1011.f3	gld-tea(HMM:6.2e-24)
3817	yyf700349742.h1.f1	gld-tea(HMM:8.3)
3818	117481_1.R1011.f1	gld-tea(HMM:9.1e-36)
3819	12948_1.R1011.f3	hhh(HMM:3.6e-05)
3820	1052_1.R1011.f2	hhh(HMM:3e-08)
3821	1053_1.R1011.f1	hhh(HMM:9.2e-07)
3822	dyk700102440.h1.f2	hist_deacetyl(HMM:0.00015)
3823	uC-zmflmo17050g12b2.f2	hist_deacetyl(HMM:0.00038)
3824	LIB3152-001-Q1-K1-B2.f2	hist_deacetyl(HMM:1.1e-10)
3825	30591_1.R1011.f3	hist_deacetyl(HMM:1.2e-146)
3826	ceu700432474.h1.f1	hist_deacetyl(HMM:1.3)
3827	187025_1.R1011.f2	hist_deacetyl(HMM:1.8e-10)
3828	200741_1.R1011.f3	hist_deacetyl(HMM:1e-10)
3829	6786_1.R1011.f2	hist_deacetyl(HMM:1e-37)
3830	1011_1.R1011.f1	hist_deacetyl(HMM:2.2e-160)
3831	72749_1.R1011.f2	hist_deacetyl(HMM:2.8e-51)
3832	cyk700047402.f1.f1	hist_deacetyl(HMM:3.5e-15)
3833	rvl700454171.h1.f2	hist_deacetyl(HMM:4.6e-11)
3834	994_1.R1011.f3	hist_deacetyl(HMM:6e-181)
3835	304250_1.R1011.f2	hist_deacetyl(HMM:8.9e-09)
3836	3274_1.R1011.f2	hist_deacetyl(HMM:8.9e-123)
3837	LIB3150-049-Q1-N1-F11.f1	hist_deacetyl(HMM:8e-10)
3838	g4804054.f5	histone(HMM:0.00011)
3839	uwc700151004.h1.f3	histone(HMM:0.00017)
3840	LIB3150-071-P1-N1-E2.f1	histone(HMM:0.00023)
3841	xyt700343992.h1.f2	histone(HMM:0.00027)
3842	LIB3279-011-P1-K1-F2.f1	histone(HMM:0.00035)
3843	LIB3079-035-Q1-K1-D5.f3	histone(HMM:0.00045)
3844	LIB3070-005-Q1-N1-G9.f2	histone(HMM:0.0005)
3845	LIB3059-017-Q1-K1-H2.f1	histone(HMM:0.00058)
3846	LIB3067-018-Q1-K1-F2.f2	histone(HMM:0.00065)
3847	286579_1.R1011.f1	histone(HMM:0.00069)
3848	LIB3150-075-P1-N1-G7.f3	histone(HMM:0.00077)
3849	cat700021823.r1.f6	histone(HMM:0.00083)
3850	865_21.R1011.f3	histone(HMM:0.00084)
3851	yyf700348078.h1.f3	histone(HMM:0.00086)
3852	LIB3150-083-P2-N2-D11.f6	histone(HMM:0.00093)

3853	292487_1.R1011.f2	histone(HMM:0.00099)
3854	cat700020406.r1.f2	histone(HMM:0.0013)
3855	cjh700195179.h1.f2	histone(HMM:0.0014)
3856	LIB3068-026-Q1-K1-F8.f3	histone(HMM:0.0014)
3857	uC-zmflb73177e01b1.f3	histone(HMM:0.002)
3858	g5688683.f6	histone(HMM:0.0024)
3859	dyk700104373.h1.f2	histone(HMM:0.0026)
3860	LIB3070-010-Q1-N1-H2.f1	histone(HMM:0.003)
3861	LIB3150-029-Q1-N1-H11.f1	histone(HMM:0.0032)
3862	LIB3088-050-Q1-K1-G10.f3	histone(HMM:0.0035)
3863	wen700333394.h1.f1	histone(HMM:0.0035)
3864	LIB3150-078-P2-N2-D8.f1	histone(HMM:0.0037)
3865	pmx700085984.h1.f2	histone(HMM:0.0041)
3866	LIB3150-002-Q1-N1-C10.f3	histone(HMM:0.0045)
3867	LIB3067-004-Q1-K1-G12.f2	histone(HMM:0.005)
3868	ynt700219717.h1.f3	histone(HMM:0.005)
3869	g4630548.f6	histone(HMM:0.0052)
3870	yyf700349869.h1.f1	histone(HMM:0.0055)
3871	pmx700088257.h1.f3	histone(HMM:0.007)
3872	cyk700052421.f1.f3	histone(HMM:0.0074)
3873	xjt700094901.h1.f6	histone(HMM:0.008)
3874	LIB3116-028-P1-K1-C8.f1	histone(HMM:0.0091)
3875	LIB3088-041-Q1-K1-D8.f1	histone(HMM:0.0097)
3876	gwl700612741.h1.f3	histone(HMM:0.016)
3877	LIB3078-019-Q1-K1-H11.f3	histone(HMM:0.016)
3878	LIB3088-044-Q1-K1-D2.f2	histone(HMM:0.017)
3879	LIB3279-054-P1-K1-D6.f3	histone(HMM:0.017)
3880	LIB3279-055-P1-K1-D2.f2	histone(HMM:0.017)
3881	LIB3150-050-Q1-N1-E6.f1	histone(HMM:0.018)
3882	LIB3158-017-Q1-K1-G9.f1	histone(HMM:0.018)
3883	LIB3088-044-Q1-K1-B10.f2	histone(HMM:0.02)
3884	rvt700553369.h1.f2	histone(HMM:0.022)
3885	uC-zmflb73032h09b1.f2	histone(HMM:0.022)
3886	338_9.R1011.f3	histone(HMM:0.024)
3887	95_13.R1011.f1	histone(HMM:0.025)
3888	LIB3070-014-Q1-N1-C4.f1	histone(HMM:0.028)
3889	LIB148-064-Q1-E1-B9.f1	histone(HMM:0.029)
3890	cat700019176.r1.f1	histone(HMM:0.031)
3891	95_12.R1011.f2	histone(HMM:0.033)
3892	cat700019288.r1.f3	histone(HMM:0.042)
3893	pmx700089077.h1.f1	histone(HMM:0.056)
3894	LIB84-022-Q1-E1-D1.f3	histone(HMM:0.057)
3895	xmt700257966.h1.f2	histone(HMM:0.062)
3896	LIB3078-038-Q1-K1-B2.f3	histone(HMM:0.072)
3897	LIB143-057-Q1-E1-D9.f1	histone(HMM:0.074)
3898	ckd700461156.h1.f2	histone(HMM:0.078)
3899	LIB3279-014-P1-K1-D8.f1	histone(HMM:0.078)
3900	95_9.R1011.f1	histone(HMM:0.1)
3901	vux700158357.h1.f2	histone(HMM:0.1)
3902	xjt700094748.h1.f1	histone(HMM:0.1)
3903	cat700020560.r1.f2	histone(HMM:0.11)
3904	dyk700103145.h1.f2	histone(HMM:0.12)
3905	LIB3067-008-Q1-K1-H9.f3	histone(HMM:0.13)
3906	wen700333417.h1.f1	histone(HMM:0.14)

3907	95_22.R1011.f2	histone(HMM:0.17)
3908	LIB3076-019-Q1-K1-A2.f3	histone(HMM:0.17)
3909	LIB3150-081-P1-N1-G2.f2	histone(HMM:0.2)
3910	95_17.R1011.f3	histone(HMM:0.27)
3911	LIB3059-054-Q1-K1-B5.f2	histone(HMM:0.3)
3912	qmh700027751.fl.fl	histone(HMM:0.31)
3913	666_1.R1011.f6	histone(HMM:0.37)
3914	LIB3279-011-P1-K1-H6.f2	histone(HMM:0.4)
3915	LIB3150-043-Q1-N1-C10.f3	histone(HMM:0.49)
3916	LIB3070-004-Q1-N1-G12.fl	histone(HMM:0.5)
3917	LIB3088-044-Q1-K1-A3.f3	histone(HMM:0.85)
3918	95_23.R1011.f2	histone(HMM:0.93)
3919	LIB3088-011-Q1-K1-G7.fl	histone(HMM:0.98)
3920	xyt700346501.h1.f3	histone(HMM:0.99)
3921	757_37.R1011.f2	histone(HMM:1.1)
3922	yd1700405355.h1.f2	histone(HMM:1.1e-05)
3923	LIB3067-056-Q1-K1-F12.f3	histone(HMM:1.1e-07)
3924	LIB3150-054-Q1-N1-G11.f2	histone(HMM:1.1e-16)
3925	yyf700349182.h1.fl	histone(HMM:1.1e-16)
3926	LIB3088-042-Q1-K1-B9.f3	histone(HMM:1.1e-20)
3927	LIB3150-032-Q1-N1-G3.fl	histone(HMM:1.1e-30)
3928	g5268737.fl	histone(HMM:1.1e-37)
3929	286749_1.R1011.f3	histone(HMM:1.1e-42)
3930	757_11.R1011.fl	histone(HMM:1.1e-47)
3931	LIB3279-005-P1-K1-B7.fl	histone(HMM:1.2e-05)
3932	xyt700343350.h1.f2	histone(HMM:1.2e-08)
3933	rvl700454901.h1.f3	histone(HMM:1.2e-11)
3934	g3341056.f4	histone(HMM:1.2e-13)
3935	LIB3070-004-Q1-N1-E3.f3	histone(HMM:1.2e-13)
3936	LIB3150-052-Q1-N1-B2.f2	histone(HMM:1.2e-21)
3937	865_3.R1011.f3	histone(HMM:1.2e-51)
3938	wyr700244484.h1.fl	histone(HMM:1.3e-06)
3939	hvj700619851.h1.f2	histone(HMM:1.3e-08)
3940	LIB3076-046-Q1-K1-H11.f2	histone(HMM:1.3e-11)
3941	LIB3180-038-P2-M2-C6.f2	histone(HMM:1.3e-14)
3942	uC-zmflb73163d03a1.f5	histone(HMM:1.3e-26)
3943	757_6.R1011.fl	histone(HMM:1.3e-45)
3944	uC-zmflb73359g07a2.f3	histone(HMM:1.4e-06)
3945	uwc700153036.h1.fl	histone(HMM:1.4e-07)
3946	mwy700442376.h1.f2	histone(HMM:1.4e-08)
3947	LIB3137-005-Q1-K1-B9.f6	histone(HMM:1.4e-11)
3948	uC-zmroteosinte099g08b2.fl	histone(HMM:1.4e-16)
3949	1672_2.R1011.f2	histone(HMM:1.4e-43)
3950	g3341140.f6	histone(HMM:1.5e-24)
3951	338_13.R1011.f3	histone(HMM:1.5e-34)
3952	16775_1.R1011.fl	histone(HMM:1.5e-49)
3953	25582_1.R1011.f6	histone(HMM:1.5e-49)
3954	LIB3150-108-P2-K1-D1.f5	histone(HMM:1.6e-08)
3955	pmx700082311.h1.fl	histone(HMM:1.6e-11)
3956	LIB3070-012-Q1-N1-A8.f3	histone(HMM:1.6e-18)
3957	757_8.R1011.fl	histone(HMM:1.6e-46)
3958	865_1.R1011.f2	histone(HMM:1.6e-52)
3959	ckd700461256.h1.f2	histone(HMM:1.7e-05)
3960	LIB143-037-Q1-E1-H1.f3	histone(HMM:1.7e-05)

3961	LIB3150-040-Q1-N1-A10.f3	histone(HMM:1.7e-05)
3962	LIB3156-011-Q1-K1-C2.f1	histone(HMM:1.7e-06)
3963	41834_1.R1011.f2	histone(HMM:1.7e-07)
3964	LIB3150-064-P1-N1-A5.f1	histone(HMM:1.7e-17)
3965	LIB3150-035-Q1-N1-E2.f2	histone(HMM:1.7e-30)
3966	uC-zmroteosinte051e09b2.f3	histone(HMM:1.7e-46)
3967	757_3.R1011.f2	histone(HMM:1.7e-47)
3968	xmt700256940.h1.f2	histone(HMM:1.8e-06)
3969	yyf700352343.h1.f1	histone(HMM:1.8e-14)
3970	uC-zmflb73306e04b1.f3	histone(HMM:1.8e-18)
3971	uC-zmroteosinte059e07b1.f3	histone(HMM:1.8e-32)
3972	757_32.R1011.f1	histone(HMM:1.9e-06)
3973	pmx700083528.h1.f1	histone(HMM:1.9e-06)
3974	cat700021164.r1.f3	histone(HMM:1.9e-08)
3975	LIB3059-042-Q1-K1-F2.f1	histone(HMM:1.9e-08)
3976	LIB3067-014-Q1-K1-D10.f1	histone(HMM:1.9e-08)
3977	ymt700224008.h1.f1	histone(HMM:1.9e-13)
3978	LIB3150-016-Q1-N1-G3.f1	histone(HMM:1.9e-14)
3979	LIB3279-011-P1-K1-H2.f3	histone(HMM:1.9e-16)
3980	hvj700618938.h1.f2	histone(HMM:1.9e-17)
3981	g3341036.f4	histone(HMM:1.9e-41)
3982	g5268911.f3	histone(HMM:1.9e-46)
3983	xsy700214625.h1.f1	histone(HMM:1e-05)
3984	LIB3088-046-Q1-K1-H2.f2	histone(HMM:1e-11)
3985	338_12.R1011.f1	histone(HMM:1e-29)
3986	LIB3279-010-P1-K1-E6.f2	histone(HMM:1e-32)
3987	15994_1.R1011.f1	histone(HMM:1e-49)
3988	wyr700235659.h1.f3	histone(HMM:2.1)
3989	LIB3062-034-Q1-K1-D11.f1	histone(HMM:2.1e-10)
3990	95_6.R1011.f2	histone(HMM:2.1e-18)
3991	g3341043.f5	histone(HMM:2.1e-37)
3992	865_6.R1011.f3	histone(HMM:2.1e-51)
3993	LIB3150-038-Q1-N1-C5.f2	histone(HMM:2.2e-07)
3994	xyt700344851.h1.f3	histone(HMM:2.2e-07)
3995	7649_2.R1011.f1	histone(HMM:2.2e-09)
3996	LIB3076-024-Q1-K1-B7.f2	histone(HMM:2.2e-43)
3997	1792_2.R1011.f3	histone(HMM:2.2e-46)
3998	757_17.R1011.f3	histone(HMM:2.2e-48)
3999	LIB3150-052-Q1-N1-G11.f2	histone(HMM:2.3e-12)
4000	757_42.R1011.f3	histone(HMM:2.3e-40)
4001	qmh700029402.f1.f1	histone(HMM:2.4)
4002	LIB3069-011-Q1-K1-F6.f2	histone(HMM:2.4e-05)
4003	LIB3076-005-Q1-K1-D5.f1	histone(HMM:2.4e-07)
4004	LIB3079-036-Q1-K1-D4.f1	histone(HMM:2.4e-10)
4005	g4776119.f5	histone(HMM:2.4e-14)
4006	LIB3137-005-Q1-K1-G10.f1	histone(HMM:2.4e-19)
4007	865_4.R1011.f5	histone(HMM:2.4e-50)
4008	757_20.R1011.f2	histone(HMM:2.5e-07)
4009	LIB3067-042-Q1-K1-B11.f2	histone(HMM:2.5e-17)
4010	LIB3150-107-P1-N1-B4.f3	histone(HMM:2.5e-18)
4011	LIB3137-016-Q1-K1-H12.f1	histone(HMM:2.6)
4012	2026_7.R1011.f6	histone(HMM:2.6e-10)
4013	yyf700347416.h1.f1	histone(HMM:2.6e-20)
4014	1792_1.R1011.f1	histone(HMM:2.6e-46)

4015	338_3.R1011.f2	histone(HMM:2.6e-46)
4016	338_7.R1011.f3	histone(HMM:2.6e-46)
4017	8267_1.R1011.f1	histone(HMM:2.6e-46)
4018	LIB3153-005-Q1-K1-H1.f1	histone(HMM:2.7e-10)
4019	LIB143-049-Q1-E1-H1.f2	histone(HMM:2.7e-11)
4020	LIB3088-049-Q1-K1-A5.f3	histone(HMM:2.7e-14)
4021	338_1.R1011.f2	histone(HMM:2.7e-45)
4022	16775_2.R1011.f2	histone(HMM:2.7e-49)
4023	LIB3078-052-Q1-K1-H1.f3	histone(HMM:2.8e-09)
4024	LIB3150-013-Q1-N1-B10.f3	histone(HMM:2.8e-09)
4025	LIB36-021-Q1-E1-G2.f2	histone(HMM:2.8e-09)
4026	LIB3067-013-Q1-K1-B1.f3	histone(HMM:2.8e-10)
4027	LIB3069-049-Q1-K1-E1.f3	histone(HMM:2.8e-13)
4028	LIB3137-005-Q1-K1-A12.f4	histone(HMM:2.8e-23)
4029	757_2.R1011.f1	histone(HMM:2.8e-46)
4030	LIB3279-059-P1-K1-H8.f3	histone(HMM:2.9e-06)
4031	cat700017931.r1.f3	histone(HMM:2e-06)
4032	LIB3067-001-Q1-K1-A4.f2	histone(HMM:2e-11)
4033	pwr700449415.h1.f1	histone(HMM:2e-11)
4034	uC-zmflb73006d03b1.f1	histone(HMM:2e-20)
4035	wty700164347.h1.f3	histone(HMM:3.1e-09)
4036	dyk700105350.h1.f2	histone(HMM:3.2e-06)
4037	cat700020669.r1.f3	histone(HMM:3.2e-07)
4038	757_44.R1011.f3	histone(HMM:3.2e-28)
4039	865_2.R1011.f1	histone(HMM:3.2e-51)
4040	865_7.R1011.f2	histone(HMM:3.2e-51)
4041	865_8.R1011.f3	histone(HMM:3.2e-51)
4042	uwc700150016.h1.f2	histone(HMM:3.3e-06)
4043	ceu700426183.h1.f1	histone(HMM:3.3e-10)
4044	g5058937.f5	histone(HMM:3.4e-22)
4045	6594_1.R1011.f2	histone(HMM:3.4e-49)
4046	LIB3076-004-Q1-K1-D1.f2	histone(HMM:3.4e-49),phd(HMM:0.11)
4047	15342_1.R1011.f2	histone(HMM:3.5e-15)
4048	g5713880.f5	histone(HMM:3.5e-24)
4049	757_5.R1011.f1	histone(HMM:3.5e-46)
4050	338_26.R1011.f1	histone(HMM:3.6e-08)
4051	LIB3079-053-Q1-K1-D2.f3	histone(HMM:3.6e-14)
4052	95_10.R1011.f2	histone(HMM:3.6e-15)
4053	757_36.R1011.f3	histone(HMM:3.6e-25)
4054	60399_1.R1011.f1	histone(HMM:3.7e-11)
4055	uC-zmflb73018h09b1.f1	histone(HMM:3.7e-45)
4056	757_14.R1011.f1	histone(HMM:3.7e-47)
4057	tzu700206634.h1.f3	histone(HMM:3.8e-07)
4058	pwr700453322.h1.f3	histone(HMM:3.8e-11)
4059	ntr700073403.h1.f2	histone(HMM:3.8e-14)
4060	757_25.R1011.f1	histone(HMM:3.8e-41)
4061	666_5.R1011.f6	histone(HMM:3.8e-44)
4062	LIB3088-009-Q1-K1-G8.f1	histone(HMM:3.9e-12)
4063	LIB3279-013-P1-K1-H3.f2	histone(HMM:3.9e-23)
4064	LIB3070-014-Q1-N1-C11.f1	histone(HMM:3e-07)
4065	95_8.R1011.f1	histone(HMM:4.1e-18)
4066	LIB3150-075-P1-N1-F7.f1	histone(HMM:4.2e-09)
4067	LIB3059-047-Q1-K1-H1.f2	histone(HMM:4.2e-17)

4068	uC-zmflb73193g04b1.f3	histone(HMM:4.2e-29)
4069	757_16.R1011.f2	histone(HMM:4.3e-47)
4070	zla700380212.h1.f3	histone(HMM:4.4)
4071	dyk700106733.h1.f1	histone(HMM:4.4e-06)
4072	LIB3088-050-Q1-K1-C2.f2	histone(HMM:4.4e-07)
4073	vux700160627.h1.f1	histone(HMM:4.4e-11)
4074	865_16.R1011.f6	histone(HMM:4.4e-15)
4075	ntr700074528.h1.f3	histone(HMM:4.5e-37)
4076	g5268696.f2	histone(HMM:4.5e-40)
4077	757_12.R1011.f1	histone(HMM:4.5e-46)
4078	vux700158183.h1.f1	histone(HMM:4.6e-05)
4079	uC-zmflB73025e02b2.f3	histone(HMM:4.6e-11)
4080	LIB3153-005-Q1-K1-B5.f3	histone(HMM:4.7e-05)
4081	yyf700349642.h1.f2	histone(HMM:4.7e-07)
4082	qmh700028985.f1.f1	histone(HMM:4.7e-11)
4083	757_7.R1011.f1	histone(HMM:4.7e-46)
4084	uC-zmflmo170114e10b1.f3	histone(HMM:4.8e-44)
4085	95_11.R1011.f3	histone(HMM:4.9e-08)
4086	LIB3070-005-Q1-N1-B3.f3	histone(HMM:4.9e-13)
4087	LIB3076-044-Q1-K1-G3.f3	histone(HMM:4e-05)
4088	338_16.R1011.f1	histone(HMM:4e-06)
4089	xmt700261612.h1.f3	histone(HMM:4e-06)
4090	LIB3088-003-Q1-K1-A3.f1	histone(HMM:4e-18)
4091	uC-zmflmo17336b11b1.f1	histone(HMM:4e-34)
4092	865_9.R1011.f1	histone(HMM:4e-42)
4093	1672_1.R1011.f1	histone(HMM:4e-45)
4094	wty700172957.h1.f2	histone(HMM:5.1e-07)
4095	g3341197.f2	histone(HMM:5.1e-08)
4096	865_12.R1011.f3	histone(HMM:5.1e-23)
4097	354331_1.R1011.f3	histone(HMM:5.2e-05)
4098	LIB148-002-Q1-E1-B12.f1	histone(HMM:5.2e-08)
4099	LIB3076-021-Q1-K1-F8.f2	histone(HMM:5.2e-37)
4100	xyt700346422.h1.f1	histone(HMM:5.3e-13)
4101	865_14.R1011.f6	histone(HMM:5.3e-49)
4102	hvj700621760.h1.f1	histone(HMM:5.6e-06)
4103	LIB3180-060-P2-M1-H6.f3	histone(HMM:5.6e-06)
4104	LIB3279-051-P1-K1-C7.f2	histone(HMM:5.6e-06)
4105	LIB3078-007-Q1-K1-F11.f1	histone(HMM:5.6e-11)
4106	gw1700613664.h1.f2	histone(HMM:5.6e-12)
4107	uC-zmflb73178a01b1.f2	histone(HMM:5.6e-14)
4108	uC-zmroteosinte102h01b2.f3	histone(HMM:5.6e-21)
4109	cyk700051888.f1.f1	histone(HMM:5.7e-06)
4110	g3340926.f5	histone(HMM:5.8e-05)
4111	tfd700572124.h1.f2	histone(HMM:5.8e-11)
4112	kem700610759.h1.f3	histone(HMM:5.9e-10)
4113	zla700379678.h1.f1	histone(HMM:5.9e-11)
4114	LIB3150-112-P2-K1-C2.f4	histone(HMM:5e-07)
4115	g3341037.f6	histone(HMM:5e-20)
4116	g3341089.f5	histone(HMM:6.1e-07)
4117	tfd700569151.h1.f2	histone(HMM:6.1e-12)
4118	LIB143-063-Q1-E1-D12.f2	histone(HMM:6.1e-16)
4119	xsy700214944.h1.f3	histone(HMM:6.3e-06)
4120	zla700380613.h1.f3	histone(HMM:6.3e-11)
4121	LIB3180-019-P2-M1-B1.f2	histone(HMM:6.3e-17)

4122	gwl700618137.h1.f3	histone(HMM:6.5e-07)
4123	LIB3116-025-P1-K2-F8.f2	histone(HMM:6.6)
4124	LIB3088-036-Q1-K1-H8.f2	histone(HMM:6.6e-06)
4125	LIB3069-003-Q1-K1-G4.f1	histone(HMM:6.6e-10)
4126	g3341079.f5	histone(HMM:6.6e-35)
4127	g548036.f2	histone(HMM:6.7e-14)
4128	757_18.R1011.f2	histone(HMM:6.7e-34)
4129	LIB3070-010-Q1-N1-G7.f1	histone(HMM:6.8e-06)
4130	cat700016831.r2.f3	histone(HMM:6.9e-15)
4131	uC-zmroteosinte030d12b1.f1	histone(HMM:6.9e-16)
4132	LIB3059-049-Q1-K1-E4.f3	histone(HMM:6.9e-29)
4133	LIB3076-029-Q1-K1-F10.f1	histone(HMM:6.9e-30)
4134	g3341041.f4	histone(HMM:6.9e-45)
4135	LIB3088-011-Q1-K1-D5.f3	histone(HMM:7.1e-09)
4136	95_21.R1011.f1	histone(HMM:7.2)
4137	757_19.R1011.f2	histone(HMM:7.2e-42)
4138	338_10.R1011.f1	histone(HMM:7.3e-41)
4139	338_22.R1011.f3	histone(HMM:7.3e-44)
4140	1672_5.R1011.f3	histone(HMM:7.4e-12)
4141	LIB3069-035-Q1-K1-E2.f1	histone(HMM:7.5)
4142	LIB143-046-Q1-E1-C10.f3	histone(HMM:7.6e-13)
4143	338_6.R1011.f2	histone(HMM:7.6e-46)
4144	LIB3076-004-Q1-K1-A11.f1	histone(HMM:7.9e-06)
4145	wyr700238913.h1.f1	histone(HMM:7.9e-07)
4146	hvj700619294.h1.f1	histone(HMM:7.9e-08)
4147	338_23.R1011.f2	histone(HMM:7.9e-44)
4148	15544_1.R1011.f1	histone(HMM:7e-20)
4149	g5650399.f5	histone(HMM:8.1e-15)
4150	1166_2.R1011.f2	histone(HMM:8.1e-51)
4151	1677_1.R1011.f1	histone(HMM:8.1e-51)
4152	qmh700027322.f1.f1	histone(HMM:8.3e-07)
4153	757_1.R1011.f3	histone(HMM:8.3e-47)
4154	uC-zmflB73112h02b2.f1	histone(HMM:8.4e-08)
4155	uC-zmflmo17297e08b1.f3	histone(HMM:8.4e-37)
4156	LIB3137-005-Q1-K1-G9.f2	histone(HMM:8.6e-07)
4157	pmx700088408.h1.f2	histone(HMM:8.6e-07)
4158	pmx700086025.h1.f2	histone(HMM:8.7e-05)
4159	1672_8.R1011.f1	histone(HMM:8.7e-09)
4160	LIB3076-018-Q1-K1-E6.f2	histone(HMM:8.7e-11)
4161	LIB3067-046-Q1-K1-H9.f1	histone(HMM:8.7e-12)
4162	865_5.R1011.f1	histone(HMM:8.7e-52)
4163	LIB3062-027-Q1-K1-E12.f1	histone(HMM:8.9e-05)
4164	LIB3069-008-Q1-K1-A11.f5	histone(HMM:8.9e-09)
4165	5857_1.R1011.f3	histone(HMM:8e-07)
4166	uC-zmrob73075d01b1.f2	histone(HMM:8e-14)
4167	LIB3116-025-P1-K1-F8.f1	histone(HMM:9.3)
4168	LIB3069-048-Q1-K1-A1.f2	histone(HMM:9.3e-33)
4169	LIB3279-004-P1-K1-H7.f3	histone(HMM:9.7e-09)
4170	6074_1.R1011.f1	histone(HMM:9.7e-51)
4171	g4572905.f4	histone(HMM:9.8)
4172	LIB3079-041-Q1-K1-C3.f1	histone(HMM:9.8e-09)
4173	338_14.R1011.f1	histone(HMM:9.9e-47)
4174	338_5.R1011.f1	histone(HMM:9.9e-47)
4175	uC-zmflb73028d10b1.f3	histone(HMM:9.9e-47)

4176	tzu700205503.h1.f1	histone(HMM:9e-12)
4177	wty700168638.h1.f3	hlh(HMM:0.00026)
4178	pmx700085722.h1.f1	hlh(HMM:0.00033)
4179	7914_1.R1011.f1	hlh(HMM:0.0056)
4180	9442_2.R1011.f2	hlh(HMM:0.013)
4181	uC-zmflb73012g11b1.f2	hlh(HMM:0.013)
4182	245026_1.R1011.f1	hlh(HMM:0.02)
4183	40548_1.R1011.f2	hlh(HMM:0.034)
4184	80197_1.R1011.f1	hlh(HMM:0.036)
4185	133275_1.R1011.f1	hlh(HMM:0.041)
4186	fdz701165182.h1.f3	hlh(HMM:0.046)
4187	133245_1.R1011.f1	hlh(HMM:0.048)
4188	wyr700237155.h1.f2	hlh(HMM:0.049)
4189	14440_1.R1011.f2	hlh(HMM:0.052)
4190	214046_1.R1011.f3	hlh(HMM:0.058)
4191	10605_1.R1011.f2	hlh(HMM:0.063)
4192	106370_1.R1011.f2	hlh(HMM:0.063)
4193	cat700021841.r1.f3	hlh(HMM:0.076)
4194	uC-zmflb73002a04b1.f1	hlh(HMM:0.076)
4195	104405_1.R1011.f1	hlh(HMM:0.084)
4196	78856_2.R1011.f3	hlh(HMM:0.086)
4197	qmh700028639.f1.f3	hlh(HMM:0.089)
4198	LIB3067-055-Q1-K1-E3.f3	hlh(HMM:0.099)
4199	g4887525.f4	hlh(HMM:0.11)
4200	fwa700100255.h1.f2	hlh(HMM:0.31)
4201	nbn700468724.h1.f3	hlh(HMM:0.69)
4202	uC-zmflb73099d02b1.f1	hlh(HMM:0.74)
4203	155010_1.R1011.f3	hlh(HMM:1.1e-12)
4204	11328_1.R1011.f3	hlh(HMM:1.5e-07)
4205	uC-zmflmo17131c08a1.f4	hlh(HMM:1.5e-12)
4206	9274_1.R1011.f3	hlh(HMM:1.7e-09)
4207	LIB3156-002-Q1-K1-A12.f2	hlh(HMM:1.8)
4208	246596_1.R1011.f5	hlh(HMM:1.9e-09)
4209	42580_1.R1011.f3	hlh(HMM:1.9e-12)
4210	11613_1.R1011.f3	hlh(HMM:1e-05)
4211	47991_1.R1011.f1	hlh(HMM:1e-09)
4212	xyt700342458.h1.f2	hlh(HMM:2.1e-06)
4213	324352_1.R1011.f1	hlh(HMM:2.1e-09)
4214	tzu700206189.h1.f2	hlh(HMM:2.1e-13)
4215	45993_1.R1011.f2	hlh(HMM:2e-16)
4216	277222_1.R1011.f1	hlh(HMM:3.3e-09)
4217	165141_1.R1011.f2	hlh(HMM:3.4e-10)
4218	593_1.R1011.f1	hlh(HMM:3.6e-14)
4219	593_2.R1011.f1	hlh(HMM:3.6e-14)
4220	1032_1.R1011.f1	hlh(HMM:5.2e-15)
4221	LIB3088-037-Q1-K1-E11.f2	hlh(HMM:5.9e-05)
4222	g22194.f1	hlh(HMM:6.3e-16)
4223	5983_1.R1011.f3	hlh(HMM:6.8e-12)
4224	158887_1.R1011.f4	hlh(HMM:6.9e-11)
4225	68023_1.R1011.f3	hlh(HMM:7.7e-09)
4226	LIB3069-006-Q1-K1-C11.f2	hlh(HMM:8.5e-16)
4227	22182_1.R1011.f2	hlh(HMM:8.9e-06)
4228	6061_1.R1011.f2	hlh(HMM:9.4e-07)
4229	uwc700155775.h1.f1	hlh(HMM:9.5e-06)

4277	154608_1.R1011.f2	homeobox(HMM:0.0081),homeobox_knox3(5.6e-12)
4278	LIB3067-032-Q1-K1-F8.f1	homeobox(HMM:0.0085),homeobox_knox3(2.0e-12)
4279	55031_1.R1011.f3	homeobox(HMM:0.01)
4280	ymt700219170.h1.f3	homeobox(HMM:0.014),homeobox_knox3(9.3e-13),homeobox_mat(8.1e-05)
4281	8191_1.R1011.f2	homeobox(HMM:0.016),homeobox_knox3(2.6e-22)
4282	uC-zmflmol17364h11a1.f6	homeobox(HMM:0.017),homeobox_knox3(4.3e-13)
4283	62412_1.R1011.f3	homeobox(HMM:0.017),homeobox_knox3(5.9e-12)
4284	93311_1.R1011.f1	homeobox(HMM:0.022),homeobox_knox3(3.2e-22)
4285	wyr700241308.h1.f2	homeobox(HMM:0.031),homeobox_knox3(9.2e-08)
4286	69814_2.R1011.f2	homeobox(HMM:0.062)
4287	7310_1.R1011.f3	homeobox(HMM:0.094),homeobox_knox3(3.5e-09)
4288	25970_1.R1011.f6	homeobox(HMM:0.1),homeobox_knox3(2.7e-20)
4289	LIB3066-043-Q1-K1-D10.f3	homeobox(HMM:0.26)
4290	uC-zmflb73252d04b3.f1	homeobox(HMM:0.29)
4291	uC-zmflMo17002e04b1.f1	homeobox(HMM:0.29)
4292	LIB3062-052-Q1-K1-B9.f2	homeobox(HMM:1)
4293	388_3.R1011.f6	homeobox(HMM:1.4e-19)
4294	388_2.R1011.f6	homeobox(HMM:1.4e-20)
4295	fC-zmfl700549125f3.f1	homeobox(HMM:1.5)
4296	128072_1.R1011.f2	homeobox(HMM:1.7e-18)
4297	388_4.R1011.f4	homeobox(HMM:1.8e-17)
4298	LIB3136-018-Q1-K1-F8.f2	homeobox(HMM:1.9)
4299	766_2.R1011.f1	homeobox(HMM:1.9e-12),phd(HMM:2.7e-15)
4300	uC-zmflB73007b08b1.f1	homeobox(HMM:1.9e-18)
4301	388_1.R1011.f5	homeobox(HMM:1.9e-19)
4302	1067_1.R1011.f2	homeobox(HMM:2.4e-05),homeobox_knox3(2.8e-30)
4303	110797_2.R1011.f2	homeobox(HMM:2.8e-06)
4304	388_5.R1011.f5	homeobox(HMM:2e-14)
4305	69814_1.R1011.f2	homeobox(HMM:3.2e-18)
4306	11330_1.R1011.f1	homeobox(HMM:3.3e-06)
4307	154166_1.R1011.f2	homeobox(HMM:3.3e-16)
4308	187_1.R1011.f2	homeobox(HMM:3.4e-22),homeobox_knox3(0.0008)
4309	185_1.R1011.f3	homeobox(HMM:3.9e-19)
4310	764_1.R1011.f3	homeobox(HMM:3e-06),phd(HMM:4.2e-16)
4311	uC-zmflmo17020c02b1.f1	homeobox(HMM:4.1e-16)
4312	766_1.R1011.f1	homeobox(HMM:5.9e-17),phd(HMM:6.6e-16)
4313	388_6.R1011.f6	homeobox(HMM:6.4e-18)
4314	hbs701186070.h1.f1	homeobox(HMM:6.7e-06)

4315	hbs701183093.h1.f6	homeobox(HMM:7)
4316	764_2.R1011.f1	homeobox(HMM:8.3e-08),phd(HMM:8.6e-16),homeobox_knox3(0.0007)
4317	598_1.R1011.f1	homeobox(HMM:8.5e-05),homeobox_knox3(8.5e-37)
4318	8190_1.R1011.f3	homeobox(HMM:9.4e-20)
4319	LIB3137-024-Q1-K1-F4.f1	hsf_dna-bind(HMM:0.00019)
4320	7092_1.R1011.f2	hsf_dna-bind(HMM:0.0009)
4321	fdz701166808.h1.f2	hsf_dna-bind(HMM:0.0036)
4322	fdz701163214.h1.f1	hsf_dna-bind(HMM:0.0044)
4323	1729_1.R1011.f1	hsf_dna-bind(HMM:0.038)
4324	xjt700092059.h1.f2	hsf_dna-bind(HMM:0.049)
4325	46875_1.R1011.f1	hsf_dna-bind(HMM:0.056)
4326	7801_1.R1011.f3	hsf_dna-bind(HMM:1.6e-06)
4327	nwy700446322.h1.f3	hsf_dna-bind(HMM:1.6e-07)
4328	dyk700102210.h1.f2	hsf_dna-bind(HMM:1.6e-26)
4329	LIB84-028-Q1-E1-F5.f3	hsf_dna-bind(HMM:1.8e-06)
4330	154751_1.R1011.f1	hsf_dna-bind(HMM:1.8e-23)
4331	LIB189-016-Q1-E1-H8.f3	hsf_dna-bind(HMM:1.9e-20)
4332	153848_1.R1011.f3	hsf_dna-bind(HMM:2.2e-08)
4333	qmh700030486.f1.f1	hsf_dna-bind(HMM:2.3e-10)
4334	768_1.R1011.f3	hsf_dna-bind(HMM:3e-35)
4335	48395_1.R1011.f1	hsf_dna-bind(HMM:4.3e-55)
4336	fC-zmse700836407f1.f1	hsf_dna-bind(HMM:5.2e-09)
4337	dyk700106455.h1.f3	hsf_dna-bind(HMM:5.5e-09)
4338	uC-zmflb73296f01b2.f2	hsf_dna-bind(HMM:7.5e-41)
4339	LIB3075-044-Q1-K1-D2.f2	hsf_dna-bind(HMM:8.1e-09)
4340	rvt700455831.h1.f2	hsf_dna-bind(HMM:8.6e-05)
4341	gct701180355.h1.f3	iaa(HMM:0.00029)
4342	366795_1.R1011.f4	iaa(HMM:0.00031)
4343	44453_2.R1011.f2	iaa(HMM:0.00032)
4344	42794_1.R1011.f3	iaa(HMM:0.00071)
4345	uC-zmflmo17165a04b1.f2	iaa(HMM:0.00097)
4346	clt700042216.f1.f1	iaa(HMM:0.0013)
4347	287224_1.R1011.f2	iaa(HMM:0.0019)
4348	zuv700352703.h1.f1	iaa(HMM:0.0019)
4349	60067_2.R1011.f3	iaa(HMM:0.002)
4350	LIB3279-055-P1-K1-A1.f2	iaa(HMM:0.0021)
4351	LIB3067-052-Q1-K1-G7.f1	iaa(HMM:0.0022)
4352	uC-zmflb73301e09a1.f4	iaa(HMM:0.0023)
4353	uC-zmroteosinte076h10b2.f1	iaa(HMM:0.0025)
4354	90938_2.R1011.f2	iaa(HMM:0.0042)
4355	uC-zmroteosinte058a11b2.f1	iaa(HMM:0.0046)
4356	27519_1.R1011.f4	iaa(HMM:0.0048)
4357	pwr700450469.h1.f3	iaa(HMM:0.0048)
4358	uC-zmromo17026d01a1.f5	iaa(HMM:0.0073)
4359	qmh700029447.f1.f2	iaa(HMM:0.0079)
4360	89902_1.R1011.f3	iaa(HMM:0.0086)
4361	dyk700102340.h1.f3	iaa(HMM:0.014)
4362	273602_2.R1011.f4	iaa(HMM:0.041)
4363	LIB3062-009-Q1-K1-H9.f3	iaa(HMM:0.048)
4364	LIB3156-001-Q1-K1-D9.f3	iaa(HMM:0.06)
4365	nwy700445770.h1.f2	iaa(HMM:0.067)

4366	xmt700262053.h1.f1	iaa(HMM:0.43)
4367	244457_1.R1011.f3	iaa(HMM:1.1)
4368	18074_1.R1011.f3	iaa(HMM:1.1e-12)
4369	36723_3.R1011.f2	iaa(HMM:1.1e-37)
4370	5206_2.R1011.f2	iaa(HMM:1.1e-42)
4371	LIB3069-032-Q1-K1-B5.f1	iaa(HMM:1.2e-06)
4372	18565_1.R1011.f2	iaa(HMM:1.2e-35)
4373	fdz701161796.h1.f2	iaa(HMM:1.3e-19)
4374	165547_1.R1011.f4	iaa(HMM:1.4)
4375	17862_2.R1011.f2	iaa(HMM:1.4e-40)
4376	10914_1.R1011.f1	iaa(HMM:1.4e-46)
4377	99544_1.R1011.f2	iaa(HMM:1.5e-07)
4378	244546_1.R1011.f3	iaa(HMM:1.5e-43)
4379	wty700172062.h1.f2	iaa(HMM:1.6e-07)
4380	113760_1.R1011.f2	iaa(HMM:1.6e-10)
4381	7217_3.R1011.f2	iaa(HMM:1.8e-25)
4382	43613_3.R1011.f3	iaa(HMM:1.8e-30)
4383	7217_1.R1011.f3	iaa(HMM:1.8e-54)
4384	63348_1.R1011.f4	iaa(HMM:1.9e-40)
4385	g4314535.f6	iaa(HMM:2.3e-05)
4386	118813_1.R1011.f3	iaa(HMM:2.5e-05)
4387	fC-zmfl700903946z1.f6	iaa(HMM:2.7e-34)
4388	uC-zmroteosinte030b06b1.f1	iaa(HMM:2.8e-07)
4389	ceu700433713.h1.f1	iaa(HMM:2.8e-29)
4390	177164_1.R1011.f6	iaa(HMM:3.2)
4391	2478_12.R1011.f2	iaa(HMM:3.4e-06)
4392	LIB3067-004-Q1-K1-H5.f1	iaa(HMM:3.4e-21)
4393	dyk700105172.h1.f3	iaa(HMM:3.4e-35)
4394	4794_1.R1011.f2	iaa(HMM:3.5e-36)
4395	39538_1.R1011.f2	iaa(HMM:3.9e-51)
4396	g4647071.f4	iaa(HMM:3e-18)
4397	4943_1.R1011.f2	iaa(HMM:4.1e-40)
4398	pmx700085101.h1.f2	iaa(HMM:4.7e-06)
4399	36723_1.R1011.f2	iaa(HMM:4.7e-17)
4400	LIB3159-016-Q1-K1-H5.f1	iaa(HMM:4.8e-05)
4401	63348_2.R1011.f5	iaa(HMM:5.1e-07)
4402	207353_1.R1011.f2	iaa(HMM:5.1e-09)
4403	44453_1.R1011.f1	iaa(HMM:5.3e-06)
4404	cat700018068.r1.f2	iaa(HMM:5.4e-13)
4405	fdz701160529.h1.f1	iaa(HMM:5.8e-07)
4406	LIB3115-025-P1-K1-G8.f2	iaa(HMM:5.9e-10)
4407	LIB189-028-Q1-E1-C7.f1	iaa(HMM:5e-06)
4408	36723_2.R1011.f2	iaa(HMM:6.4e-08)
4409	wen700335617.h1.f3	iaa(HMM:6.4e-08)
4410	113854_1.R1011.f1	iaa(HMM:6.6e-66)
4411	LIB3070-011-Q1-N1-B9.f2	iaa(HMM:6.8e-06)
4412	6146_3.R1011.f3	iaa(HMM:7.7e-13)
4413	92613_1.R1011.f1	iaa(HMM:7.8e-34)
4414	138145_2.R1011.f3	iaa(HMM:8.8e-08)
4415	LIB3116-025-P1-K1-C6.f3	iaa(HMM:8.9e-09)
4416	uC-zmflmo17297c12b1.f2	iaa(HMM:9.3e-54)
4417	tfd700572494.h1.f1	iaa(HMM:9.6e-10)
4418	qmh700030191.f1.f3	iaa(HMM:9.8e-07)
4419	yyf700348060.h1.f1	ibr(HMM:0.0005)

4420	268028_1.R1011.f2	ibr(HMM:0.015)
4421	180806_1.R1011.f4	ibr(HMM:0.17)
4422	1610_1.R1011.f1	ibr(HMM:1.2e-11)
4423	121748_1.R1011.f3	ibr(HMM:1e-06)
4424	8414_1.R1011.f3	ibr(HMM:2.8e-16)
4425	47794_1.R1011.f3	ibr(HMM:3.6e-06)
4426	19283_1.R1011.f3	ibr(HMM:6.3e-08)
4427	kem700612163.h1.f2	ibr(HMM:6.3e-20)
4428	uC-zmflb73007c10b1.f3	k-box(HMM:0.00013),srf- tf(HMM:2.8e-32)
4429	uC-zmflmo17321d12b1.f3	k-box(HMM:0.00052)
4430	uC-zmroteosinte117g06b1.f1	k-box(HMM:0.0014)
4431	uC-zmflb73020c05b1.f2	k-box(HMM:0.0017)
4432	LIB3069-044-Q1-K1-B9.f3	k-box(HMM:0.0057),srf- tf(HMM:1.4e-36)
4433	LIB3116-025-P1-K1-B6.f2	k-box(HMM:0.007)
4434	uC-zmflb73148g01b1.f1	k-box(HMM:0.0078)
4435	g4730436.f1	k-box(HMM:0.0081),srf- tf(HMM:4.7e-35)
4436	418_1.R1011.f2	k-box(HMM:0.0092),srf- tf(HMM:1.1e-25)
4437	LIB3068-025-Q1-K1-D7.f1	k-box(HMM:0.83)
4438	LIB3067-047-Q1-K1-C2.f1	k-box(HMM:1.1e-06)
4439	166_1.R1011.f2	k-box(HMM:1.2e-08),srf- tf(HMM:1.9e-29)
4440	CPR6867_700163369_FL.f3	k-box(HMM:1.3e-10)
4441	uC-zmflmo17078c09b1.f2	k-box(HMM:1.3e-23)
4442	166_5.R1011.f3	k-box(HMM:1.4e-06)
4443	uC-zmrob73050c02b1.f6	k-box(HMM:1.6e-05)
4444	122_2.R1011.f2	k-box(HMM:1.6e-22)
4445	uC-zmflb73140b06b1.f2	k-box(HMM:1.7e-13)
4446	113_1.R1011.f3	k-box(HMM:1.7e-42),srf- tf(HMM:7.3e-38)
4447	109_2.R1011.f2	k-box(HMM:1.9e-14)
4448	uC-zmflmo17057c07b1.f3	k-box(HMM:1e-06)
4449	610_2.R1011.f3	k-box(HMM:1e-34),srf- tf(HMM:1e-34)
4450	109_1.R1011.f2	k-box(HMM:2.1e-14),srf- tf(HMM:4e-32)
4451	uC-zmflmo17280a06b1.f2	k-box(HMM:2.3e-07)
4452	949_2.R1011.f1	k-box(HMM:2.4e-38),srf- tf(HMM:1.7e-20)
4453	112_2.R1011.f1	k-box(HMM:2.5e-11)
4454	120_3.R1011.f1	k-box(HMM:2.7e-31)
4455	120_2.R1011.f2	k-box(HMM:2.8e-27)
4456	113_3.R1011.f3	k-box(HMM:2.8e-38),srf- tf(HMM:2.8e-37)
4457	LIB3059-037-Q1-K1-A3.f3	k-box(HMM:3.2e-30)
4458	611_2.R1011.f1	k-box(HMM:3.2e-36),srf- tf(HMM:3e-36)
4459	g5268420.f3	k-box(HMM:3.4e-43),srf- tf(HMM:1.3e-11)
4460	544_1.R1011.f2	k-box(HMM:3.4e-43),srf- tf(HMM:4.3e-38)

4461	38372_1.R1011.fl	k-box(HMM:3.5e-05),srf- tf(HMM:1.6e-29)
4462	611_1.R1011.fl	k-box(HMM:3.5e-38),srf- tf(HMM:1.4e-36)
4463	112_1.R1011.f3	k-box(HMM:3.6e-19),srf- tf(HMM:1.9e-09)
4464	610_1.R1011.f2	k-box(HMM:3.7e-35),srf- tf(HMM:1.4e-35)
4465	124_1.R1011.fl	k-box(HMM:3.8e-10)
4466	113_5.R1011.f3	k-box(HMM:3.9e-40),srf- tf(HMM:1.5e-37)
4467	113_6.R1011.f3	k-box(HMM:3.9e-40),srf- tf(HMM:1.5e-37)
4468	166_4.R1011.f2	k-box(HMM:4.1e-05)
4469	107_1.R1011.f3	k-box(HMM:4.4e-12),srf- tf(HMM:1.4e-29)
4470	125_1.R1011.f3	k-box(HMM:4.7e-33),srf- tf(HMM:4.4e-36)
4471	116_1.R1011.fl	k-box(HMM:5.4e-26),srf- tf(HMM:1e-37)
4472	113_4.R1011.f2	k-box(HMM:5.5e-39),srf- tf(HMM:1.6e-37)
4473	123_1.R1011.f3	k-box(HMM:5.7e-25),srf- tf(HMM:1.9e-35)
4474	119_1.R1011.f3	k-box(HMM:5.8e-08)
4475	4634_1.R1011.f2	k-box(HMM:5.9e-18)
4476	LIB3116-025-P1-K2-B6.fl	k-box(HMM:6.4e-07)
4477	LIB3067-059-Q1-K1-C6.fl	k-box(HMM:6.6e-07),srf- tf(HMM:1.3e-16)
4478	122_1.R1011.fl	k-box(HMM:6.7e-42),srf- tf(HMM:3e-37)
4479	LIB3088-010-Q1-K1-D9.f3	k-box(HMM:7.1e-06)
4480	g939780.fl	k-box(HMM:7.2e-43),srf- tf(HMM:4.9e-37)
4481	uC-zmflb73119c08a1.f3	k-box(HMM:7.5e-06)
4482	120_1.R1011.fl	k-box(HMM:9.3e-06)
4483	949_1.R1011.fl	k-box(HMM:9.3e-37),srf- tf(HMM:3.7e-19)
4484	hbs701183413.h1.fl	krab(HMM:3.6e-05)
4485	LIB148-007-Q1-E1-H9.f2	lim(HMM:0.0007)
4486	LIB3066-032-Q1-K1-B12.fl	lim(HMM:0.001)
4487	211710_1.R1011.f3	lim(HMM:0.0021)
4488	LIB3075-048-Q1-K1-D11.f3	lim(HMM:0.055)
4489	uC-zmroteosinte017b09b1.f3	lim(HMM:0.097)
4490	gct701174937.h1.f2	lim(HMM:0.16)
4491	101_4.R1011.fl	lim(HMM:0.35)
4492	pmx700086732.h1.fl	lim(HMM:0.42)
4493	1647_2.R1011.fl	lim(HMM:1.2e-31)
4494	106476_1.R1011.fl	lim(HMM:1.3e-11)
4495	g3341091.f6	lim(HMM:1.7e-11)
4496	1647_4.R1011.f3	lim(HMM:1.9e-14)
4497	fC-zmle700870883a1.f2	lim(HMM:1.9e-14)
4498	uC-zmflmo17303c04b1.f2	lim(HMM:1e-21)
4499	1647_3.R1011.fl	lim(HMM:2.2e-14)

4500	1647_1.R1011.f1	lim(HMM:2.2e-32)
4501	wyr700235386.h1.f2	lim(HMM:3.1e-06)
4502	xsy700208410.h1.f1	lim(HMM:3.9e-12)
4503	uC-zmflmo17169d03a1.f3	lim(HMM:3.9e-22)
4504	fdz701158756.h1.f1	lim(HMM:4.4e-09)
4505	pwr700450670.h1.f1	lim(HMM:4.7e-10)
4506	94503_1.R1011.f3	lim(HMM:4.9e-14)
4507	101_2.R1011.f3	lim(HMM:4e-14)
4508	hbs701182729.h1.f4	lim(HMM:5.2e-06)
4509	101_1.R1011.f3	lim(HMM:8.3e-33)
4510	83525_1.R1011.f2	lim(HMM:8e-32)
4511	756_8.R1011.f1	linker_histone(HMM:0.00018)
4512	LIB3137-001-Q1-K1-A5.f1	linker_histone(HMM:0.00022)
4513	uC-zmflb73178a11b1.f1	linker_histone(HMM:0.00047)
4514	756_3.R1011.f3	linker_histone(HMM:0.00052)
4515	LIB3150-101-P1-N1-A3.f1	linker_histone(HMM:0.0076)
4516	LIB3076-019-Q1-K1-B5.f3	linker_histone(HMM:0.0096)
4517	uC-zmflmo17069f02b1.f1	linker_histone(HMM:0.36)
4518	g4585618.f1	linker_histone(HMM:1.1e-22)
4519	666_2.R1011.f5	linker_histone(HMM:1.5e-30)
4520	uC-zmflmo17308b11b1.f1	linker_histone(HMM:1.6e-05)
4521	LIB3069-035-Q1-K1-A11.f2	linker_histone(HMM:1.9e-10)
4522	g5268367.f1	linker_histone(HMM:1.9e-23)
4523	14297_1.R1011.f1	linker_histone(HMM:1.9e-34)
4524	4905_2.R1011.f1	linker_histone(HMM:1e-24)
4525	180_1.R1011.f2	linker_histone(HMM:2.7e-07),myb_dna-binding(HMM:6.5e-05)
4526	rvt700550793.h1.f3	linker_histone(HMM:2.9)
4527	756_4.R1011.f2	linker_histone(HMM:3.4e-33)
4528	19893_2.R1011.f1	linker_histone(HMM:4.3e-05)
4529	LIB3076-020-Q1-K1-B1.f3	linker_histone(HMM:4e-07)
4530	19893_1.R1011.f1	linker_histone(HMM:5.5e-22)
4531	4905_1.R1011.f1	linker_histone(HMM:5e-33)
4532	14369_1.R1011.f3	linker_histone(HMM:8.1e-10),myb_dna-binding(HMM:2.1e-05)
4533	LIB3067-044-Q1-K1-F9.f2	linker_histone(HMM:8.4)
4534	uC-zmflmo17153e05b1.f1	linker_histone(HMM:8.6)
4535	756_1.R1011.f1	linker_histone(HMM:9.6e-35)
4536	108800_1.R1011.f2	linker_histone(HMM:9.7e-13)
4537	tz700203222.h1.f3	myb_dna-binding(HMM:0.00013)
4538	1086_2.R1011.f3	myb_dna-binding(HMM:0.0002)
4539	92085_1.R1011.f1	myb_dna-binding(HMM:0.00023)
4540	119067_1.R1011.f2	myb_dna-binding(HMM:0.00025)
4541	235108_1.R1011.f3	myb_dna-binding(HMM:0.00026)
4542	6030_1.R1011.f1	myb_dna-binding(HMM:0.00049)
4543	uwc700151452.h1.f2	myb_dna-binding(HMM:0.00086)

4544	47690_1.R1011.f3	myb_dna-binding(HMM:0.00096)
4545	g3157223.f1	myb_dna-binding(HMM:0.001)
4546	129899_1.R1011.f1	myb_dna-binding(HMM:0.0012)
4547	9893_3.R1011.f1	myb_dna-binding(HMM:0.0019)
4548	uC-zmflb73085c02b2.f1	myb_dna-binding(HMM:0.0021)
4549	242350_1.R1011.f2	myb_dna-binding(HMM:0.0024)
4550	965_13.R1011.f1	myb_dna-binding(HMM:0.0025)
4551	uC-zmrob73057g12a1.f1	myb_dna-binding(HMM:0.0026)
4552	141721_1.R1011.f1	myb_dna-binding(HMM:0.0027)
4553	111722_1.R1011.f3	myb_dna-binding(HMM:0.003)
4554	wty700167056.h1.f1	myb_dna-binding(HMM:0.0063)
4555	13671_1.R1011.f1	myb_dna-binding(HMM:0.013)
4556	ymt700219745.h1.f2	myb_dna-binding(HMM:0.015)
4557	100888_1.R1011.f1	myb_dna-binding(HMM:0.034)
4558	LIB3150-093-P1-N1-A8.f2	myb_dna-binding(HMM:0.059)
4559	56162_2.R1011.f1	myb_dna-binding(HMM:0.067)
4560	rvt700550259.h1.f2	myb_dna-binding(HMM:0.087)
4561	3037_1.R1011.f3	myb_dna-binding(HMM:0.1)
4562	wty700170367.h1.f1	myb_dna-binding(HMM:0.11)
4563	62090_2.R1011.f3	myb_dna-binding(HMM:0.13)
4564	9893_2.R1011.f3	myb_dna-binding(HMM:0.14)
4565	ypc700805836.h1.f6	myb_dna-binding(HMM:0.18)
4566	1124_5.R1011.f5	myb_dna-binding(HMM:0.27)
4567	fxb700397574.h1.f2	myb_dna-binding(HMM:0.43)
4568	uC-zmflmo17344c12b1.f3	myb_dna-binding(HMM:0.44)
4569	1124_3.R1011.f6	myb_dna-binding(HMM:1.1e-10)
4570	LIB3079-030-Q1-K1-F3.f2	myb_dna-binding(HMM:1.1e-10)
4571	tzu700203377.h1.f1	myb_dna-binding(HMM:1.2e-21)
4572	18719_1.R1011.f3	myb_dna-binding(HMM:1.3e-10)
4573	18719_2.R1011.f2	myb_dna-binding(HMM:1.3e-10)
4574	ceu700422519.h1.f2	myb_dna-binding(HMM:1.4e-16)
4575	uer700577328.h1.f2	myb_dna-binding(HMM:1.4e-17)
4576	86820_1.R1011.f1	myb_dna-binding(HMM:1.4e-21)
4577	g1491932.f2	myb_dna-binding(HMM:1.4e-45)
4578	g168589.f2	myb_dna-binding(HMM:1.4e-45)
4579	196036_1.R1011.f1	myb_dna-binding(HMM:1.5e-08)
4580	49266_1.R1011.f3	myb_dna-binding(HMM:1.5e-16)
4581	134451_1.R1011.f1	myb_dna-binding(HMM:1.6e-10)
4582	LIB3151-057-Q1-K1-E8.f3	myb_dna-binding(HMM:1.6e-20)
4583	g168591.f2	myb_dna-binding(HMM:1.7e-22)
4584	965_23.R1011.f1	myb_dna-binding(HMM:1.7e-42)
4585	14894_1.R1011.f2	myb_dna-binding(HMM:1.8e-40)
4586	81644_2.R1011.f2	myb_dna-binding(HMM:1.9e-05)
4587	35267_2.R1011.f1	myb_dna-binding(HMM:1.9e-06)
4588	gct701176532.h1.f1	myb_dna-binding(HMM:1.9e-11)
4589	uC-zmroB73017f11b1.f1	myb_dna-binding(HMM:1.9e-11)
4590	71261_1.R1011.f1	myb_dna-binding(HMM:1.9e-37)
4591	uC-zmflb73162h04b2.f3	myb_dna-binding(HMM:1e-07)
4592	116851_1.R1011.f3	myb_dna-binding(HMM:2.1e-10)
4593	uC-zmrob73076b09b1.f2	myb_dna-binding(HMM:2.1e-12)
4594	43747_1.R1011.f1	myb_dna-binding(HMM:2.1e-35)
4595	11369_2.R1011.f1	myb_dna-binding(HMM:2.2e-07)
4596	LIB3180-030-P2-M2-G3.f3	myb_dna-binding(HMM:2.2e-07)

4597	8195_2.R1011.f2	myb_dna-binding(HMM:2.3e-09)
4598	uC-zmflmo17394f11a1.f1	myb_dna-binding(HMM:2.4e-27)
4599	35267_1.R1011.f1	myb_dna-binding(HMM:2.4e-39)
4600	37039_3.R1011.f2	myb_dna-binding(HMM:2.4e-44)
4601	1086_1.R1011.f1	myb_dna-binding(HMM:2.5e-24)
4602	uC-zmflb73143e02b1.f2	myb_dna-binding(HMM:2.5e-42)
4603	211273_1.R1011.f3	myb_dna-binding(HMM:2.6e-06)
4604	360_1.R1011.f5	myb_dna-binding(HMM:2.6e-11)
4605	ypc700802849.h1.f1	myb_dna-binding(HMM:2.6e-20)
4606	wyr700237918.h1.f3	myb_dna-binding(HMM:2.7e-06)
4607	wyr700243864.h1.f2	myb_dna-binding(HMM:2.8e-05)
4608	LIB3078-013-Q1-K1-H9.f2	myb_dna-binding(HMM:2.8e-11)
4609	14894_3.R1011.f3	myb_dna-binding(HMM:2.9e-41)
4610	1334_1.R1011.f3	myb_dna-binding(HMM:3.4)
4611	qmh700027865.f1.f2	myb_dna-binding(HMM:3.7e-05)
4612	tzu700204208.h1.f1	myb_dna-binding(HMM:3.7e-14)
4613	92525_1.R1011.f3	myb_dna-binding(HMM:3e-45)
4614	wty700171752.h1.f2	myb_dna-binding(HMM:4.1e-07)
4615	14894_2.R1011.f2	myb_dna-binding(HMM:4.1e-39)
4616	9893_4.R1011.f3	myb_dna-binding(HMM:4.4)
4617	46504_1.R1011.f2	myb_dna-binding(HMM:4.5e-08),zz(HMM:1.2e-11)
4618	uC-zmrob73011a04b1.f2	myb_dna-binding(HMM:4.5e-15)
4619	120679_1.R1011.f1	myb_dna-binding(HMM:4.7e-37)
4620	uC-zmflmo17176a01b1.f2	myb_dna-binding(HMM:4.8e-19)
4621	uC-zmflb73017a03b1.f3	myb_dna-binding(HMM:4.8e-21)
4622	8195_3.R1011.f1	myb_dna-binding(HMM:4.9e-10)
4623	136974_1.R1011.f2	myb_dna-binding(HMM:4e-09)
4624	g5268844.f2	myb_dna-binding(HMM:4e-41)
4625	224582_1.R1011.f3	myb_dna-binding(HMM:5.4e-23)
4626	278384_1.R1011.f3	myb_dna-binding(HMM:5.6e-19)
4627	44418_2.R1011.f2	myb_dna-binding(HMM:5.8e-06)
4628	vux700159730.h1.f2	myb_dna-binding(HMM:5.9e-10)
4629	133302_1.R1011.f3	myb_dna-binding(HMM:5.9e-41)
4630	uC-zmflmo17173b11b1.f3	myb_dna-binding(HMM:5e-11)
4631	65645_1.R1011.f2	myb_dna-binding(HMM:6.4e-40)
4632	180_3.R1011.f3	myb_dna-binding(HMM:6.5e-05)
4633	3753_1.R1011.f2	myb_dna-binding(HMM:6.6e-05)
4634	3005_5.R1011.f3	myb_dna-binding(HMM:6.6e-16)
4635	pwr700450354.h1.f3	myb_dna-binding(HMM:6.6e-20)
4636	uC-zmflmo17052e02b1.f2	myb_dna-binding(HMM:6e-25)
4637	LIB84-023-Q1-E1-D6.f2	myb_dna-binding(HMM:7.4e-12)
4638	224186_1.R1011.f1	myb_dna-binding(HMM:7.5e-09)
4639	uC-zmflB73025b03b2.f3	myb_dna-binding(HMM:7.5e-35)
4640	111964_1.R1011.f2	myb_dna-binding(HMM:7.6e-39)
4641	354078_1.R1011.f2	myb_dna-binding(HMM:7.8e-09)
4642	uC-zmflb73234b10b2.f3	myb_dna-binding(HMM:8.1e-13)
4643	LIB189-026-Q1-E1-F3.f1	myb_dna-binding(HMM:8.2e-22)
4644	81644_1.R1011.f1	myb_dna-binding(HMM:8.6e-20)
4645	63048_1.R1011.f2	myb_dna-binding(HMM:8.7e-11)
4646	qmh700026342.f1.f2	myb_dna-binding(HMM:8.9e-21)
4647	9893_1.R1011.f3	myb_dna-binding(HMM:9.1e-15)
4648	37039_2.R1011.f2	myb_dna-binding(HMM:9.3e-45)
4649	xsy700211270.h1.f2	myb_dna-binding(HMM:9.4e-20)

4650	fC-zmro700835640f1.f3	myb_dna-binding(HMM:9.9)
4651	pwr700451947.h1.f3	myc_n_term(HMM:1.3e-07)
4652	LIB3062-027-Q1-K1-G5.f3	nam(HMM:0.00016)
4653	wyr700240279.h1.f2	nam(HMM:0.00045)
4654	108682_1.R1011.fl	nam(HMM:0.00048)
4655	tfd700574820.h1.f2	nam(HMM:0.0008)
4656	LIB3060-045-Q1-K1-G6.f3	nam(HMM:0.0013)
4657	xsy700208075.h1.f3	nam(HMM:0.0013)
4658	LIB3060-022-Q1-K1-C4.f3	nam(HMM:0.0027)
4659	95404_1.R1011.f4	nam(HMM:0.0029)
4660	54370_1.R1011.fl	nam(HMM:0.0038)
4661	45380_1.R1011.fl	nam(HMM:0.0041)
4662	LIB3060-029-Q1-K1-C8.f3	nam(HMM:0.01)
4663	134883_1.R1011.fl	nam(HMM:0.027)
4664	201218_1.R1011.fl	nam(HMM:0.052)
4665	LIB3117-005-Q1-K1-A2.f2	nam(HMM:0.2)
4666	wyr700235447.h1.f2	nam(HMM:0.22)
4667	LIB3137-041-Q1-K1-C9.f3	nam(HMM:0.27)
4668	206869_1.R1011.fl	nam(HMM:0.72)
4669	301_1.R1011.f4	nam(HMM:1.1e-06)
4670	uC-zmrob73057e10a1.fl	nam(HMM:1.1e-06)
4671	73768_1.R1011.f3	nam(HMM:1.1e-48)
4672	124375_1.R1011.f3	nam(HMM:1.1e-71)
4673	wyr700243269.h1.f2	nam(HMM:1.2)
4674	LIB3088-025-Q1-K1-E9.f2	nam(HMM:1.2e-06)
4675	LIB3069-033-Q1-K1-B10.f2	nam(HMM:1.4)
4676	LIB3151-016-Q1-K1-D2.f3	nam(HMM:1.4e-15)
4677	19925_2.R1011.fl	nam(HMM:1.4e-80)
4678	242069_1.R1011.fl	nam(HMM:1.5e-18)
4679	215216_1.R1011.fl	nam(HMM:1.6e-12)
4680	202414_1.R1011.f3	nam(HMM:1.7e-36)
4681	uwc700150130.h1.f3	nam(HMM:1e-10)
4682	uC-zmflmo17132d12b1.f2	nam(HMM:2.1)
4683	10371_3.R1011.f3	nam(HMM:2.1e-22)
4684	46032_4.R1011.f2	nam(HMM:2.3)
4685	cyk700051638.fl.fl	nam(HMM:2.3e-13)
4686	ymt700219252.h1.fl	nam(HMM:2.5e-13)
4687	qmh700028170.fl.f3	nam(HMM:2.6e-08)
4688	vux700157267.h1.f2	nam(HMM:2.6e-08)
4689	24806_3.R1011.f4	nam(HMM:2.7e-83)
4690	12221_1.R1011.fl	nam(HMM:2.8e-41)
4691	24806_2.R1011.f5	nam(HMM:2.8e-67)
4692	dyk700102188.h1.f2	nam(HMM:2.9)
4693	uwc700149818.h1.fl	nam(HMM:3.1e-11)
4694	970_6.R1011.f2	nam(HMM:3.1e-37)
4695	g5555593.f3	nam(HMM:3.2e-64)
4696	30619_1.R1011.f2	nam(HMM:3.3e-79)
4697	207681_1.R1011.f2	nam(HMM:3.5)
4698	uC-zmflmo17160c10b1.f3	nam(HMM:3.5e-09)
4699	uC-zmflmo17336e02b1.fl	nam(HMM:3.7)
4700	LIB3115-029-P1-K1-F7.f2	nam(HMM:3.7e-16)
4701	LIB3136-019-Q1-K1-C9.f2	nam(HMM:3.8e-05)
4702	371645_1.R1011.f4	nam(HMM:4.5e-08)
4703	120771_1.R1011.fl	nam(HMM:4.5e-36)

4704	ymt700221866.h1.f1	nam(HMM:4.6e-10)
4705	uC-zmrob73050h05b1.f1	nam(HMM:4.8e-75)
4706	24806_1.R1011.f5	nam(HMM:4.8e-80)
4707	uC-zmrob73012a06b1.f1	nam(HMM:4e-22)
4708	219835_1.R1011.f1	nam(HMM:5.1e-09)
4709	LIB3182-009-P2-M1-B4.f1	nam(HMM:5.2e-07)
4710	2917_1.R1011.f3	nam(HMM:5.3)
4711	LIB3116-004-Q1-K2-F7.f1	nam(HMM:5.7e-08)
4712	qmh700029568.f1.f2	nam(HMM:5.8)
4713	115174_1.R1011.f3	nam(HMM:5.8e-34)
4714	LIB3182-016-P2-M1-F1.f2	nam(HMM:6.1e-06)
4715	LIB3066-040-Q1-K1-A5.f2	nam(HMM:6.2e-05)
4716	wyr700239811.h1.f2	nam(HMM:6.2e-06)
4717	205197_2.R1011.f3	nam(HMM:6.3e-11)
4718	tzu700201601.h1.f2	nam(HMM:6.8)
4719	hbs701182246.h1.f1	nam(HMM:6.8e-05)
4720	121716_1.R1011.f2	nam(HMM:6.9e-06)
4721	xmt700265206.h1.f2	nam(HMM:6.9e-39)
4722	10371_1.R1011.f1	nam(HMM:6.9e-77)
4723	LIB3150-079-P1-N1-E4.f3	nam(HMM:7.7e-16)
4724	LIB3076-012-Q1-K1-F12.f2	nam(HMM:8.1e-08)
4725	205197_1.R1011.f3	nam(HMM:8.3e-14)
4726	uC-zmflb73083h12b2.f1	nam(HMM:8.4e-08)
4727	uC-zmflmo170114g01b1.f3	nam(HMM:8.4e-37)
4728	970_5.R1011.f3	nam(HMM:8.5e-43)
4729	LIB3151-013-Q1-K1-H9.f3	nam(HMM:9.3e-32)
4730	uC-zmflb73187e11b1.f1	nam(HMM:9.7e-13)
4731	163322_1.R1011.f3	nam(HMM:9.9e-10)
4732	wty700168653.h1.f3	nam(HMM:9e-06)
4733	uC-zmflmo17283a03b1.f1	nam(HMM:9e-09)
4734	7647_3.R1011.f3	nap_family(HMM:0.0004)
4735	LIB3059-023-Q1-K1-G2.f2	nap_family(HMM:0.0027)
4736	LIB3150-108-P2-K1-C6.f6	nap_family(HMM:0.004)
4737	15810_1.R1011.f3	nap_family(HMM:1.3e-09)
4738	6060_1.R1011.f1	nap_family(HMM:1.5e-13)
4739	7647_1.R1011.f2	nap_family(HMM:1.5e-28)
4740	LIB3150-004-Q1-N1-D4.f3	nap_family(HMM:1.7e-09)
4741	21318_1.R1011.f1	nap_family(HMM:2.3e-136)
4742	7647_2.R1011.f3	nap_family(HMM:3.7e-11)
4743	LIB3062-040-Q1-K1-G7.f3	nap_family(HMM:6.7e-16)
4744	g4885774.f6	nap_family(HMM:6e-10)
4745	xyt700343958.h1.f2	nap_family(HMM:9.8e-09)
4746	rvt700552474.h1.f4	nap_family(HMM:9e-14)
4747	71771_1.R1011.f2	nap_family(HMM:9e-29)
4748	tzu700201204.h1.f3	phd(HMM:0.00027)
4749	19796_2.R1011.f1	phd(HMM:0.00028)
4750	18004_1.R1011.f2	phd(HMM:0.00053)
4751	uC-zmflb73180d03b1.f1	phd(HMM:0.00077),zf-c3hc4(HMM:0.0007)
4752	32_1.R1011.f1	phd(HMM:0.0026)
4753	113229_1.R1011.f3	phd(HMM:0.0042)
4754	111362_1.R1011.f1	phd(HMM:0.0056)
4755	65252_1.R1011.f1	phd(HMM:0.0062)
4756	839_9.R1011.f1	phd(HMM:0.0072)

4757	sem700930118.h1.f3	phd(HMM:0.0072)
4758	133965_1.R1011.f1	phd(HMM:0.01)
4759	35755_1.R1011.f3	phd(HMM:0.045)
4760	227366_1.R1011.f2	phd(HMM:0.11)
4761	39_1.R1011.f2	phd(HMM:0.11)
4762	LIB3076-004-Q1-K1-D10.f2	phd(HMM:0.11)
4763	161337_1.R1011.f3	phd(HMM:0.12)
4764	24_1.R1011.f2	phd(HMM:0.13)
4765	96044_1.R1011.f3	phd(HMM:0.15)
4766	133844_1.R1011.f3	phd(HMM:0.16),zf- c3hc4(HMM:2.1e-08)
4767	g5006147.f6	phd(HMM:0.18)
4768	g511367.f3	phd(HMM:0.29)
4769	uC-zmflb73232a09b1.f3	phd(HMM:0.49)
4770	rvt700549516.h1.f1	phd(HMM:1.1e-09)
4771	g4938805.f5	phd(HMM:1.2e-05)
4772	5182_2.R1011.f3	phd(HMM:1.2e-10)
4773	33917_1.R1011.f1	phd(HMM:1.2e-11)
4774	18361_3.R1011.f1	phd(HMM:1.4e-12)
4775	LIB3059-004-Q1-K1-G10.f1	phd(HMM:1.5e-05)
4776	18361_6.R1011.f1	phd(HMM:1.5e-12)
4777	LIB3079-026-Q1-K1-C12.f6	phd(HMM:1.5e-13)
4778	33_1.R1011.f3	phd(HMM:1.7e-26)
4779	33_2.R1011.f2	phd(HMM:1.8e-06)
4780	37_1.R1011.f1	phd(HMM:2.1e-17)
4781	33917_2.R1011.f2	phd(HMM:2.2e-11)
4782	170811_1.R1011.f4	phd(HMM:2.4e-11)
4783	31_1.R1011.f1	phd(HMM:2.7e-10)
4784	80836_1.R1011.f2	phd(HMM:2.9e-06)
4785	85816_1.R1011.f2	phd(HMM:3.1)
4786	149233_1.R1011.f2	phd(HMM:3.3e-11)
4787	2345_1.R1011.f1	phd(HMM:3.4e-12)
4788	34_1.R1011.f1	phd(HMM:3.9e-10)
4789	12886_1.R1011.f2	phd(HMM:4.6e-11),zf- c3hc4(HMM:0.11)
4790	65563_1.R1011.f2	phd(HMM:4e-06)
4791	4863_1.R1011.f3	phd(HMM:4e-11)
4792	53455_1.R1011.f1	phd(HMM:5.6e-12)
4793	19796_1.R1011.f2	phd(HMM:6.9e-11)
4794	5182_1.R1011.f2	phd(HMM:7.9e-11)
4795	ypc700806368.h1.f3	response_reg(HMM:0.00012)
4796	65085_2.R1011.f1	response_reg(HMM:0.00013)
4797	LIB3180-050-P2-M1-A9.f1	response_reg(HMM:0.00014)
4798	uC-zmflmo17226h04a1.f6	response_reg(HMM:0.00041)
4799	uC-zmrob73055d04b1.f3	response_reg(HMM:0.0014)
4800	130_2.R1011.f3	response_reg(HMM:0.0032)
4801	ymt700223944.h1.f3	response_reg(HMM:0.0039)
4802	LIB3079-004-Q1-K1-A2.f2	response_reg(HMM:0.0064)
4803	xjt700094034.h1.f3	response_reg(HMM:0.0081)
4804	LIB3079-022-Q1-K1-C1.f3	response_reg(HMM:1.1e-05)
4805	337940_1.R1011.f3	response_reg(HMM:1.2e-14)
4806	92601_1.R1011.f2	response_reg(HMM:1.3e-31)
4807	451_2.R1011.f3	response_reg(HMM:1.4e-28)
4808	uC-zmflmo17122e02b1.f1	response_reg(HMM:1.6e-06)

4809	uC-zmflb73145a08b1.f6	response_reg(HMM:1.7e-23)
4810	16902_1.R1011.f2	response_reg(HMM:1.7e-27)
4811	127220_1.R1011.f3	response_reg(HMM:1.9e-25)
4812	40825_1.R1011.f1	response_reg(HMM:1e-21)
4813	39702_1.R1011.f2	response_reg(HMM:2.1e-33)
4814	93258_1.R1011.f1	response_reg(HMM:2.7e-15)
4815	130_1.R1011.f3	response_reg(HMM:2e-24)
4816	85312_1.R1011.f2	response_reg(HMM:3.1e-31)
4817	262612_1.R1011.f1	response_reg(HMM:3.3)
4818	uC-zmflmo17228b09a1.f2	response_reg(HMM:3.3e-33)
4819	uC-zmflmo17d08b1.f1	response_reg(HMM:3.6e-11)
4820	3176_1.R1011.f1	response_reg(HMM:3.7e-28)
4821	uC-zmflb73267e04b2.f2	response_reg(HMM:3e-05)
4822	33496_1.R1011.f2	response_reg(HMM:4.1e-11)
4823	83822_1.R1011.f1	response_reg(HMM:4.3e-07)
4824	121995_1.R1011.f2	response_reg(HMM:4.3e-10)
4825	451_1.R1011.f1	response_reg(HMM:5.4e-31)
4826	5057_2.R1011.f2	response_reg(HMM:5.7e-29)
4827	uC-zmflmo17225f10a1.f3	response_reg(HMM:6.2e-19)
4828	uC-zmflmo17252b11a1.f1	response_reg(HMM:6.6e-21)
4829	89322_1.R1011.f1	response_reg(HMM:6.7e-12)
4830	uC-zmflmo17169d11a1.f2	response_reg(HMM:7.2e-05)
4831	36385_1.R1011.f1	response_reg(HMM:7.9e-11)
4832	LIB3059-026-Q1-K1-H6.f1	response_reg(HMM:8.9e-05)
4833	5057_1.R1011.f3	response_reg(HMM:9.1e-30)
4834	LIB3069-024-Q1-K1-G9.f2	runt(HMM:0.008)
4835	LIB3136-001-P1-K1-D6.f2	sbpb(HMM:0.00086)
4836	uC-zmflb73276d09b1.f3	sbpb(HMM:0.0046)
4837	pmx700084920.h1.f1	sbpb(HMM:1.3e-10)
4838	cat700019575.r1.f3	sbpb(HMM:1.4e-13)
4839	uwc700150553.h1.f3	sbpb(HMM:1.4e-39)
4840	qmh700030362.f1.f3	sbpb(HMM:1.7e-10)
4841	67995_1.R1011.f3	sbpb(HMM:1.8e-34)
4842	62560_1.R1011.f2	sbpb(HMM:2.2e-05)
4843	235145_1.R1011.f1	sbpb(HMM:2.4e-15)
4844	uC-zmflb73113c09a2.f4	sbpb(HMM:3.3e-18)
4845	241_44.R1011.f6	sbpb(HMM:4.5e-39)
4846	1173_1.R1011.f3	sbpb(HMM:4.6e-44)
4847	LIB3069-037-Q1-K1-C4.f1	sbpb(HMM:5.8e-10)
4848	xyt700343163.h1.f2	sbpb(HMM:5.8e-16)
4849	uC-zmflb73372c09a1.f6	sbpb(HMM:8.1)
4850	afb700381372.h1.f2	scan(HMM:2.2e-09)
4851	LIB3116-007-Q1-K1-E8.f1	scr(HMM:0.00088)
4852	cyk700051838.f1.f1	scr(HMM:0.0022)
4853	LIB3136-038-P1-K1-F6.f3	scr(HMM:0.0036)
4854	uC-zmflmo17275c01a1.f5	scr(HMM:0.005)
4855	uC-zmroteosinte016b06b1.f3	scr(HMM:0.006)
4856	218432_1.R1011.f3	scr(HMM:0.0084)
4857	55105_1.R1011.f1	scr(HMM:0.0085)
4858	240174_1.R1011.f3	scr(HMM:0.029)
4859	2021_9.R1011.f1	scr(HMM:1.3)
4860	mwy700442142.h1.f1	scr(HMM:1.3e-05)
4861	31248_1.R1011.f2	scr(HMM:1.4e-27)
4862	86173_1.R1011.f1	scr(HMM:1.6e-37)

4863	LIB3279-008-P1-K1-A1.f3	scr(HMM:1.7e-05)
4864	70371_1.R1011.f3	scr(HMM:1.7e-14)
4865	85163_1.R1011.f3	scr(HMM:1.9e-13)
4866	1042_1.R1011.f1	scr(HMM:1.9e-16)
4867	6174_1.R1011.f3	scr(HMM:2.1e-27)
4868	g4152171.f3	scr(HMM:2.3)
4869	LIB3069-022-Q1-K1-E10.f2	scr(HMM:2.3e-22)
4870	kem700612202.h1.f3	scr(HMM:2.3e-24)
4871	LIB83-013-Q1-E1-F6.f2	scr(HMM:2.4e-06)
4872	645_2.R1011.f4	scr(HMM:2.5e-68)
4873	35597_1.R1011.f2	scr(HMM:2.8e-05)
4874	LIB148-030-Q1-E1-E4.f4	scr(HMM:2.9e-30)
4875	gct701173786.h1.f2	scr(HMM:3.8e-12)
4876	uC-zmflb73073f08b3.f5	scr(HMM:4.2e-10)
4877	uC-zmflMo17064f12b1.f3	scr(HMM:4.3e-10)
4878	33292_1.R1011.f3	scr(HMM:4.8e-114)
4879	uC-zmroB73014d08b1.f3	scr(HMM:5.3e-06)
4880	19366_1.R1011.f2	scr(HMM:5.3e-20)
4881	LIB3076-032-Q1-K1-C4.f1	scr(HMM:5.7e-14)
4882	19366_2.R1011.f3	scr(HMM:6.5e-07)
4883	39453_1.R1011.f1	scr(HMM:6.8e-06)
4884	177209_1.R1011.f5	scr(HMM:7.2e-19)
4885	2021_4.R1011.f2	scr(HMM:7.2e-20)
4886	fdz701163921.h1.f1	scr(HMM:7.4e-09)
4887	uC-zmflb73033d10b1.f3	scr(HMM:7.4e-15)
4888	91255_1.R1011.f3	scr(HMM:7.5e-07)
4889	44990_1.R1011.f1	scr(HMM:7.7e-12)
4890	101733_1.R1011.f3	scr(HMM:8.8e-17)
4891	xsy700212015.h1.f3	scr(HMM:8.8e-32)
4892	uC-zmflmo17289a06b1.f1	scr(HMM:9.3e-05)
4893	72518_1.R1011.f1	scr(HMM:9.3e-12)
4894	wyr700237065.h1.f3	scr(HMM:9.7e-06)
4895	ntr700074722.h1.f1	scr(HMM:9.9e-28)
4896	ceu700432452.h1.f3	set(HMM:0.00016)
4897	nwy700445574.h1.f2	set(HMM:0.0002)
4898	159774_1.R1011.f6	set(HMM:0.00046)
4899	159774_2.R1011.f4	set(HMM:0.00059)
4900	yne700378914.h1.f2	set(HMM:0.00059)
4901	LIB3075-019-Q1-K1-E9.f2	set(HMM:0.00076)
4902	uC-zmflb73150d09b1.f1	set(HMM:0.0012)
4903	LIB3116-015-P1-K1-H1.f1	set(HMM:0.0015)
4904	4642_1.R1011.f1	set(HMM:0.07)
4905	112014_1.R1011.f3	set(HMM:0.12)
4906	201970_1.R1011.f2	set(HMM:0.14)
4907	82277_1.R1011.f2	set(HMM:0.85)
4908	xjt700096952.h1.f1	set(HMM:1.1e-11)
4909	uC-zmflb731230c05a1.f6	set(HMM:1.1e-12)
4910	1755_1.R1011.f2	set(HMM:1.1e-36)
4911	54645_1.R1011.f2	set(HMM:1.1e-46)
4912	uC-zmflb73230c10b2.f1	set(HMM:1.3e-06)
4913	LIB3079-056-Q1-K1-E1.f1	set(HMM:1.5e-15)
4914	LIB3075-013-Q1-K1-F1.f1	set(HMM:1.6e-12)
4915	70655_1.R1011.f3	set(HMM:1.6e-26)
4916	afb700381224.h1.f1	set(HMM:1.7e-06)

4917	gct701180481.h1.f3	set(HMM:1.7e-13)
4918	uC-zmflb73139a02b1.f1	set(HMM:1.8e-05)
4919	4193_1.R1011.f3	set(HMM:1.8e-50)
4920	138441_1.R1011.f2	set(HMM:1.9e-14)
4921	8673_1.R1011.f3	set(HMM:2.6e-05)
4922	211176_1.R1011.f2	set(HMM:2.7)
4923	5363_1.R1011.f1	set(HMM:3.1e-26)
4924	LIB3062-051-Q1-K1-A12.f1	set(HMM:3.2)
4925	5332_1.R1011.f1	set(HMM:3.3e-34)
4926	78685_1.R1011.f1	set(HMM:4e-06)
4927	LIB3150-023-Q1-N1-F1.f3	set(HMM:4e-11)
4928	uC-zmroteosinte008f10b1.f3	set(HMM:5.3e-53)
4929	140423_1.R1011.f2	set(HMM:5.4e-55)
4930	cjh700196512.h1.f2	set(HMM:6.4e-14)
4931	42686_1.R1011.f1	set(HMM:7.8e-44)
4932	fdz701160861.h1.f1	set(HMM:8.2e-08)
4933	107223_1.R1011.f2	set(HMM:9.5e-19)
4934	18141_1.R1011.f1	set(HMM:9.7e-07)
4935	rvl700456152.h1.f3	set(HMM:9.9e-13)
4936	LIB3067-013-Q1-K1-F4.f3	snf2_n(HMM:0.00016),zf-c3hc4(HMM:0.18)
4937	104440_1.R1011.f2	snf2_n(HMM:0.006)
4938	nbm700468170.h1.f2	snf2_n(HMM:0.083)
4939	LIB3066-024-Q1-K1-F6.f2	snf2_n(HMM:0.75)
4940	85215_1.R1011.f1	snf2_n(HMM:0.78)
4941	96331_1.R1011.f3	snf2_n(HMM:1.1e-45)
4942	uC-zmflmo17223c09b1.f1	snf2_n(HMM:1.3e-17)
4943	nbm700473042.h1.f2	snf2_n(HMM:1.6e-26)
4944	uC-zmflmo17066b08b1.f1	snf2_n(HMM:1.7e-10)
4945	6150_1.R1011.f3	snf2_n(HMM:1.8e-141)
4946	225672_1.R1011.f1	snf2_n(HMM:1.9e-25)
4947	xsy700207459.h1.f1	snf2_n(HMM:2.2e-08)
4948	LIB3076-019-Q1-K1-F10.f3	snf2_n(HMM:2.4e-13)
4949	219582_1.R1011.f3	snf2_n(HMM:2.6e-06)
4950	6423_1.R1011.f2	snf2_n(HMM:2.6e-15)
4951	gct701167820.h1.f1	snf2_n(HMM:2.9e-19)
4952	98888_1.R1011.f3	snf2_n(HMM:3.1e-10)
4953	5603_1.R1011.f3	snf2_n(HMM:3.1e-14),zf-c3hc4(HMM:0.0097)
4954	21514_1.R1011.f2	snf2_n(HMM:3.5e-07)
4955	22960_1.R1011.f1	snf2_n(HMM:3.5e-12)
4956	3233_1.R1011.f2	snf2_n(HMM:3e-23)
4957	LIB3159-002-Q1-K1-E3.f3	snf2_n(HMM:4e-13)
4958	271062_1.R1011.f1	snf2_n(HMM:8.2e-20)
4959	uC-zmflmo17262b09b1.f1	snf2_n(HMM:8.4e-09)
4960	33998_1.R1011.f2	snf2_n(HMM:8.8e-46)
4961	55025_1.R1011.f2	snf2_n(HMM:9.1e-10)
4962	uC-zmflb73275a12b1.f3	srf-tf(HMM:0.00028)
4963	LIB3279-011-P1-K1-D3.f2	srf-tf(HMM:0.00063)
4964	LIB189-006-Q1-E1-G12.f1	srf-tf(HMM:0.0036)
4965	uC-zmflmo17259b12b1.f3	srf-tf(HMM:0.14)
4966	uC-zmflMo17068a10b1.f2	srf-tf(HMM:0.79)
4967	112_4.R1011.f2	srf-tf(HMM:1.1e-35)
4968	LIB3076-018-Q1-K1-A4.f3	srf-tf(HMM:1.2e-17)

4969	uC-zmflmo17039a04b1.f3	srf-tf(HMM:1.4e-29)
4970	LIB3069-009-Q1-K1-H3.f1	srf-tf(HMM:1.5e-33)
4971	CPR9103_L30684201_FL.f3	srf-tf(HMM:1.5e-37)
4972	LIB3069-036-Q1-K1-H9.f1	srf-tf(HMM:1.6e-23)
4973	uC-zmflmo17223f08b1.f1	srf-tf(HMM:1.7)
4974	uC-zmflb73114g10b1.f2	srf-tf(HMM:1.8e-13)
4975	166_2.R1011.f1	srf-tf(HMM:1.9e-29)
4976	uC-zmflmo17001d12b1.f2	srf-tf(HMM:1e-14)
4977	LIB3077-002-Q1-K1-D11.f1	srf-tf(HMM:2.1e-12)
4978	71280_1.R1011.f1	srf-tf(HMM:2.1e-29)
4979	xmt700261644.h1.f3	srf-tf(HMM:2.3)
4980	uwc700151223.h1.f2	srf-tf(HMM:2.5e-09)
4981	LIB3067-028-Q1-K1-H6.f3	srf-tf(HMM:2.6e-23)
4982	166_3.R1011.f2	srf-tf(HMM:2e-30)
4983	111_1.R1011.f3	srf-tf(HMM:2e-35)
4984	LIB3062-002-Q1-K2-B3.f1	srf-tf(HMM:2e-35)
4985	LIB3075-043-Q1-K1-D3.f3	srf-tf(HMM:3.1e-33)
4986	uC-zmflmo17068a10b2.f2	srf-tf(HMM:3.3)
4987	LIB3068-061-Q1-K1-E2.f3	srf-tf(HMM:3.3e-11)
4988	uC-zmflB73003f02b1.f2	srf-tf(HMM:3.6e-06)
4989	g939782.f1	srf-tf(HMM:3.7e-33)
4990	LIB3181-009-P1-K2-C3.f3	srf-tf(HMM:3.9e-36)
4991	611_4.R1011.f1	srf-tf(HMM:3e-36)
4992	uC-zmflb73301e08b2.f1	srf-tf(HMM:3e-36)
4993	122_4.R1011.f3	srf-tf(HMM:3e-37)
4994	uC-zmflmo17184g02b1.f3	srf-tf(HMM:4.2e-10)
4995	543_8.R1011.f3	srf-tf(HMM:4.2e-34)
4996	uC-zmflmo17202h01b1.f2	srf-tf(HMM:4.4e-35)
4997	uC-zmflmo17171b06b1.f2	srf-tf(HMM:4.4e-36)
4998	LIB189-012-Q1-E1-F6.f2	srf-tf(HMM:4.9e-14)
4999	9_1.R1011.f2	srf-tf(HMM:4e-32)
5000	dyk700106944.h1.f3	srf-tf(HMM:5.3e-05)
5001	LIB3079-023-Q1-K1-H5.f1	srf-tf(HMM:5.3e-05)
5002	uC-zmroteosinte058g09b2.f3	srf-tf(HMM:7.2e-16)
5003	g793901.f1	srf-tf(HMM:8.3e-32)
5004	LIB3116-001-Q1-K1-G1.f5	srf-tf(HMM:9.4e-09)
5005	606_1.R1011.f2	tbp(HMM:2.2e-81)
5006	606_2.R1011.f1	tbp(HMM:2.2e-81)
5007	102306_1.R1011.f3	teo(HMM:0.0025)
5008	250289_1.R1011.f1	teo(HMM:0.19)
5009	cat700020547.r1.f3	teo(HMM:0.69)
5010	pmx700086592.h1.f2	teo(HMM:0.88)
5011	LIB3137-013-Q1-K1-A5.f2	teo(HMM:1.1e-27)
5012	135315_1.R1011.f5	teo(HMM:1.6e-08)
5013	LIB84-008-Q1-E1-C5.f2	teo(HMM:2.9)
5014	g5268663.f2	teo(HMM:2e-07)
5015	LIB84-026-Q1-E1-F3.f3	teo(HMM:3e-11)
5016	g2051978.f3	teo(HMM:5.1e-29)
5017	uC-zmflmo17123d12a1.f4	tfiis(HMM:0.00064)
5018	141904_1.R1011.f2	tfiis(HMM:0.00068)
5019	44455_1.R1011.f2	tfiis(HMM:0.087)
5020	g5714238.f6	tfiis(HMM:0.087)
5021	356480_1.R1011.f1	tfiis(HMM:3.5e-19)
5022	2200_1.R1011.f2	tfiis(HMM:3.5e-20)

5023	149396_1.R1011.f1	tfiis(HMM:3e-07)
5024	20390_1.R1011.f2	tfiis(HMM:4e-12)
5025	21886_1.R1011.f1	tfiis(HMM:4e-12)
5026	2200_2.R1011.f1	tfiis(HMM:5.3e-21)
5027	dyk700105135.h1.f2	transcript_fac2(HMM:0.057)
5028	g4804552.f4	transcript_fac2(HMM:2e-17)
5029	10_1.R1011.f2	transcript_fac2(HMM:6e-54)
5030	LIB3150-080-P2-N2-D2.f1	trihelix(HMM:0.061)
5031	35673_1.R1011.f1	trihelix(HMM:1.3e-57)
5032	uC-zmflb73137a02b1.f1	trihelix(HMM:2.5e-06)
5033	xjt700095936.h1.f3	trihelix(HMM:2.6e-10)
5034	10776_1.R1011.f3	trihelix(HMM:2.7e-09)
5035	238186_1.R1011.f1	trihelix(HMM:3.8e-07)
5036	234329_1.R1011.f5	trihelix(HMM:3.9e-18)
5037	80958_1.R1011.f2	trihelix(HMM:5.6e-56)
5038	xjt700095983.h1.f2	trihelix(HMM:7.2e-18)
5039	uC-zmroteosinte105d05b1.f3	wrky(HMM:0.00016)
5040	fwa700097379.h1.f2	wrky(HMM:0.00022)
5041	LIB3069-037-Q1-K1-A10.f4	wrky(HMM:0.0021)
5042	cyk700048751.f1.f3	wrky(HMM:0.0022)
5043	16821_1.R1011.f6	wrky(HMM:0.004)
5044	LIB3069-004-Q1-K1-F1.f3	wrky(HMM:0.005)
5045	uC-zmflb73168d03a1.f3	wrky(HMM:0.0084)
5046	262895_1.R1011.f1	wrky(HMM:0.17)
5047	353348_1.R1011.f3	wrky(HMM:0.17)
5048	85014_1.R1011.f1	wrky(HMM:1.1e-38)
5049	gct701174191.h1.f1	wrky(HMM:1.3e-29)
5050	clt700043633.f1.f3	wrky(HMM:1.4e-12)
5051	14223_1.R1011.f3	wrky(HMM:1.4e-36)
5052	LIB3116-028-P1-K1-A11.f1	wrky(HMM:1.7e-09)
5053	uC-zmflb73017d01b1.f3	wrky(HMM:1.8e-35)
5054	94980_1.R1011.f5	wrky(HMM:1.8e-39)
5055	120742_1.R1011.f3	wrky(HMM:1.9e-33)
5056	clt700041878.f1.f2	wrky(HMM:2.1e-18)
5057	226212_1.R1011.f2	wrky(HMM:2.2e-17)
5058	54216_2.R1011.f3	wrky(HMM:2.2e-29)
5059	wyr700236840.h1.f1	wrky(HMM:2.6)
5060	54216_1.R1011.f1	wrky(HMM:2.6e-25)
5061	LIB84-010-Q1-E1-F10.f2	wrky(HMM:3.2e-21)
5062	uwc700151333.h1.f3	wrky(HMM:3.4e-08)
5063	409_1.R1011.f3	wrky(HMM:3.4e-44)
5064	153602_1.R1011.f2	wrky(HMM:3.6e-18)
5065	23750_1.R1011.f3	wrky(HMM:3.8e-07)
5066	182_1.R1011.f3	wrky(HMM:3e-44)
5067	8386_1.R1011.f3	wrky(HMM:4.2e-37)
5068	153602_3.R1011.f1	wrky(HMM:4e-25)
5069	36570_1.R1011.f1	wrky(HMM:5.3e-07)
5070	68895_1.R1011.f3	wrky(HMM:5.3e-31)
5071	uC-zmroteosinte107d12b2.f1	wrky(HMM:5.8e-17)
5072	151396_1.R1011.f1	wrky(HMM:5e-19)
5073	206462_1.R1011.f2	wrky(HMM:7.1e-38)
5074	24372_2.R1011.f3	wrky(HMM:7.1e-40)
5075	47925_1.R1011.f2	wrky(HMM:7.4e-26)
5076	dyk700106359.h1.f3	wrky(HMM:7.8e-09)

5077	pmx700082065.h1.f2	wrky(HMM:8.4e-05)
5078	uC-zmflb73147h04b1.f3	wrky(HMM:8.8)
5079	xdb700337862.h1.f4	wrky(HMM:9.9e-05)
5080	pmx700089722.h1.f1	wrky(HMM:9.9e-38)
5081	gct701167914.h1.f3	wrky(HMM:9e-15)
5082	g5268376.f3	wrky(HMM:9e-41)
5083	142_1.R1011.f3	zf-b_box(HMM:0.00024),zf-constans(HMM:4.3e-32)
5084	142_2.R1011.f2	zf-b_box(HMM:0.00024),zf-constans(HMM:4.3e-32)
5085	68636_2.R1011.f3	zf-b_box(HMM:0.0075),zf-constans(HMM:3.7e-38)
5086	61495_1.R1011.f2	zf-b_box(HMM:0.063),zf-constans(HMM:3.9e-15)
5087	8146_2.R1011.f3	zf-b_box(HMM:0.088),zf-constans(HMM:3.9e-39)
5088	157403_1.R1011.f4	zf-c2h2(HMM:0.00021)
5089	wyr700240638.h1.f2	zf-c2h2(HMM:0.00024)
5090	53008_1.R1011.f1	zf-c2h2(HMM:0.00025)
5091	419_1.R1011.f3	zf-c2h2(HMM:0.00056)
5092	LIB3115-015-P1-K1-F5.f1	zf-c2h2(HMM:0.0008)
5093	41347_1.R1011.f3	zf-c2h2(HMM:0.00091)
5094	209161_1.R1011.f3	zf-c2h2(HMM:0.00099)
5095	LIB3069-042-Q1-K1-H12.f2	zf-c2h2(HMM:0.0014)
5096	fdz701160730.h1.f1	zf-c2h2(HMM:0.0022)
5097	57582_1.R1011.f1	zf-c2h2(HMM:0.0024)
5098	fC-zmst700894694a1.f1	zf-c2h2(HMM:0.0027)
5099	uC-zmflb73027h12b1.f1	zf-c2h2(HMM:0.0029)
5100	LIB3088-019-Q1-K1-F8.f3	zf-c2h2(HMM:0.017)
5101	LIB3136-023-Q1-K1-C2.f2	zf-c2h2(HMM:0.017)
5102	LIB3151-023-Q1-K1-G2.f2	zf-c2h2(HMM:0.022)
5103	157260_1.R1011.f1	zf-c2h2(HMM:0.033)
5104	uC-zmflb73260g05b2.f3	zf-c2h2(HMM:0.043)
5105	347503_1.R1011.f1	zf-c2h2(HMM:0.071)
5106	pwr700453237.h1.f4	zf-c2h2(HMM:0.087)
5107	14895_1.R1011.f2	zf-c2h2(HMM:0.1)
5108	16240_1.R1011.f2	zf-c2h2(HMM:1.3e-05)
5109	191_1.R1011.f1	zf-c2h2(HMM:1.6e-15)
5110	g4966708.f4	zf-c2h2(HMM:1.8e-10)
5111	xyt700346018.h1.f3	zf-c2h2(HMM:1.9e-25)
5112	411_1.R1011.f2	zf-c2h2(HMM:2.2e-07)
5113	uer700582866.h1.f2	zf-c2h2(HMM:2.4e-06)
5114	LIB3068-001-Q1-K1-C7.f2	zf-c2h2(HMM:3.2e-34)
5115	1085_1.R1011.f1	zf-c2h2(HMM:3.4e-28)
5116	415_1.R1011.f1	zf-c2h2(HMM:3.6e-09)
5117	yyf700352188.h1.f2	zf-c2h2(HMM:3.6e-21)
5118	uC-zmflmo17070f07b1.f3	zf-c2h2(HMM:4e-06)
5119	419_3.R1011.f2	zf-c2h2(HMM:6.8e-09)
5120	262434_1.R1011.f2	zf-c2h2(HMM:6.9e-10)
5121	312453_1.R1011.f1	zf-c2h2(HMM:7.1e-06)
5122	g3170600.f1	zf-c2h2(HMM:7.7e-09)
5123	nwy700447294.h1.f2	zf-c2h2(HMM:8.4e-19)
5124	LIB189-028-Q1-E1-F5.f1	zf-c2h2(HMM:9.7e-07)
5125	159463_1.R1011.f6	zf-c3hc4(HMM:0.00013)

5180	612_5.R1011.f2	zf-c3hc4(HMM:0.077)
5181	72452_1.R1011.f1	zf-c3hc4(HMM:0.078)
5182	uC-zmrob73054b08a1.f1	zf-c3hc4(HMM:0.083)
5183	uC-zmflb73019d10b1.f1	zf-c3hc4(HMM:0.086)
5184	LIB189-003-Q1-E1-E7.f1	zf-c3hc4(HMM:0.089)
5185	154523_1.R1011.f4	zf-c3hc4(HMM:0.09)
5186	qmh700030296.f1.f3	zf-c3hc4(HMM:0.094)
5187	g3340896.f4	zf-c3hc4(HMM:0.1)
5188	g4967174.f5	zf-c3hc4(HMM:0.11)
5189	26273_1.R1011.f3	zf-c3hc4(HMM:0.14)
5190	93164_2.R1011.f3	zf-c3hc4(HMM:0.3)
5191	14776_2.R1011.f1	zf-c3hc4(HMM:0.49)
5192	uC-zmflmo17076a01b1.f2	zf-c3hc4(HMM:0.52)
5193	26865_1.R1011.f2	zf-c3hc4(HMM:0.59)
5194	14776_3.R1011.f2	zf-c3hc4(HMM:0.65)
5195	LIB3136-026-Q1-K1-B3.f1	zf-c3hc4(HMM:0.75)
5196	14776_1.R1011.f2	zf-c3hc4(HMM:0.93)
5197	LIB3180-021-P2-M1-B3.f1	zf-c3hc4(HMM:0.99)
5198	26398_1.R1011.f5	zf-c3hc4(HMM:1.1e-07)
5199	47763_1.R1011.f2	zf-c3hc4(HMM:1.1e-09)
5200	64464_1.R1011.f1	zf-c3hc4(HMM:1.1e-09)
5201	76138_1.R1011.f2	zf-c3hc4(HMM:1.1e-10)
5202	24928_1.R1011.f3	zf-c3hc4(HMM:1.1e-11)
5203	76005_1.R1011.f3	zf-c3hc4(HMM:1.1e-11)
5204	LIB3159-007-Q1-K1-F12.f2	zf-c3hc4(HMM:1.1e-11)
5205	uC-zmflb73271c07a1.f4	zf-c3hc4(HMM:1.2)
5206	g5525869.f4	zf-c3hc4(HMM:1.2e-09)
5207	11122_1.R1011.f2	zf-c3hc4(HMM:1.2e-11)
5208	19677_1.R1011.f2	zf-c3hc4(HMM:1.2e-11)
5209	93164_1.R1011.f1	zf-c3hc4(HMM:1.3e-09)
5210	uC-zmflmo17169b10a1.f2	zf-c3hc4(HMM:1.3e-09)
5211	148037_1.R1011.f1	zf-c3hc4(HMM:1.3e-10)
5212	wty700164124.h1.f1	zf-c3hc4(HMM:1.4e-09)
5213	4582_2.R1011.f6	zf-c3hc4(HMM:1.5)
5214	9403_1.R1011.f3	zf-c3hc4(HMM:1.5e-05)
5215	g4646402.f6	zf-c3hc4(HMM:1.5e-05)
5216	105_4.R1011.f4	zf-c3hc4(HMM:1.5e-08)
5217	108416_1.R1011.f2	zf-c3hc4(HMM:1.5e-09)
5218	12986_1.R1011.f3	zf-c3hc4(HMM:1.6e-13),zz(HMM:8e-11)
5219	3192_1.R1011.f3	zf-c3hc4(HMM:1.9)
5220	159039_1.R1011.f6	zf-c3hc4(HMM:1.9e-06)
5221	36843_1.R1011.f2	zf-c3hc4(HMM:1.9e-06)
5222	ceu700430292.h1.f1	zf-c3hc4(HMM:1.9e-10)
5223	23974_2.R1011.f2	zf-c3hc4(HMM:1e-06)
5224	68707_1.R1011.f2	zf-c3hc4(HMM:1e-09)
5225	uC-zmromo17009a07a1.f4	zf-c3hc4(HMM:1e-10)
5226	165_1.R1011.f3	zf-c3hc4(HMM:2.1e-08)
5227	73703_1.R1011.f1	zf-c3hc4(HMM:2.1e-10)
5228	8767_1.R1011.f3	zf-c3hc4(HMM:2.2e-06)
5229	8767_2.R1011.f1	zf-c3hc4(HMM:2.2e-06)
5230	414_1.R1011.f2	zf-c3hc4(HMM:2.2e-11)
5231	5462_1.R1011.f1	zf-c3hc4(HMM:2.3e-05)
5232	360600_1.R1011.f1	zf-c3hc4(HMM:2.3e-06)

5233	10589_1.R1011.f1	zf-c3hc4(HMM:2.3e-10)
5234	LIB3069-004-Q1-K1-D7.f2	zf-c3hc4(HMM:2.3e-10)
5235	116629_1.R1011.f2	zf-c3hc4(HMM:2.4e-08)
5236	56775_1.R1011.f3	zf-c3hc4(HMM:2.4e-12)
5237	tzu700205411.h1.f3	zf-c3hc4(HMM:2.4e-12)
5238	29304_1.R1011.f3	zf-c3hc4(HMM:2.5e-07)
5239	6572_1.R1011.f2	zf-c3hc4(HMM:2.5e-08)
5240	15090_3.R1011.f3	zf-c3hc4(HMM:2.6e-12)
5241	105_10.R1011.f5	zf-c3hc4(HMM:2.7e-08)
5242	41932_1.R1011.f3	zf-c3hc4(HMM:2.7e-08)
5243	uC-zmflMol17004a08b1.f3	zf-c3hc4(HMM:2.7e-10)
5244	136215_1.R1011.f3	zf-c3hc4(HMM:2.8e-05)
5245	g5058662.f4	zf-c3hc4(HMM:2.8e-10)
5246	74958_2.R1011.f1	zf-c3hc4(HMM:2.9)
5247	66897_1.R1011.f1	zf-c3hc4(HMM:2.9e-06)
5248	103753_1.R1011.f2	zf-c3hc4(HMM:2.9e-11)
5249	612_3.R1011.f3	zf-c3hc4(HMM:2.9e-11)
5250	55104_1.R1011.f3	zf-c3hc4(HMM:2e-07)
5251	LIB3159-015-Q1-K1-F8.f2	zf-c3hc4(HMM:2e-11)
5252	13931_1.R1011.f1	zf-c3hc4(HMM:3.1e-07)
5253	13931_2.R1011.f2	zf-c3hc4(HMM:3.1e-07)
5254	10054_1.R1011.f3	zf-c3hc4(HMM:3.1e-08)
5255	14102_1.R1011.f2	zf-c3hc4(HMM:3.1e-09)
5256	35482_1.R1011.f2	zf-c3hc4(HMM:3.2e-06)
5257	134535_1.R1011.f1	zf-c3hc4(HMM:3.2e-07)
5258	ymt700221258.h1.f1	zf-c3hc4(HMM:3.2e-07)
5259	1226_1.R1011.f2	zf-c3hc4(HMM:3.2e-10)
5260	84080_1.R1011.f3	zf-c3hc4(HMM:3.2e-10)
5261	135_1.R1011.f3	zf-c3hc4(HMM:3.3e-09)
5262	35908_1.R1011.f1	zf-c3hc4(HMM:3.3e-09)
5263	97413_1.R1011.f1	zf-c3hc4(HMM:3.3e-09)
5264	15090_1.R1011.f3	zf-c3hc4(HMM:3.3e-12)
5265	15090_2.R1011.f1	zf-c3hc4(HMM:3.3e-12)
5266	96979_1.R1011.f2	zf-c3hc4(HMM:3.3e-12)
5267	xyt700345248.h1.f1	zf-c3hc4(HMM:3.3e-12)
5268	42445_1.R1011.f3	zf-c3hc4(HMM:3.4e-08)
5269	43769_1.R1011.f2	zf-c3hc4(HMM:3.4e-08)
5270	uer700577343.h1.f3	zf-c3hc4(HMM:3.6e-09)
5271	10179_1.R1011.f3	zf-c3hc4(HMM:3.7e-07)
5272	179_1.R1011.f3	zf-c3hc4(HMM:3.7e-07)
5273	59363_1.R1011.f3	zf-c3hc4(HMM:3.7e-09)
5274	108386_1.R1011.f1	zf-c3hc4(HMM:3.9e-12)
5275	86845_1.R1011.f3	zf-c3hc4(HMM:3e-07)
5276	18194_2.R1011.f3	zf-c3hc4(HMM:3e-10)
5277	48821_1.R1011.f1	zf-c3hc4(HMM:4.2e-13)
5278	uC-zmroB73070d02b1.f1	zf-c3hc4(HMM:4.3e-05)
5279	14776_4.R1011.f3	zf-c3hc4(HMM:4.6)
5280	uC-zmflmol17201c12b1.f1	zf-c3hc4(HMM:4.8e-10)
5281	81053_1.R1011.f1	zf-c3hc4(HMM:4.8e-12)
5282	121445_1.R1011.f1	zf-c3hc4(HMM:4.8e-13)
5283	36446_1.R1011.f3	zf-c3hc4(HMM:4.9e-07)
5284	154700_1.R1011.f2	zf-c3hc4(HMM:4e-11)
5285	27570_1.R1011.f4	zf-c3hc4(HMM:4e-11)
5286	54870_1.R1011.f3	zf-c3hc4(HMM:5.1e-06)

5287	wyr700243466.h1.f3	zf-c3hc4(HMM:5.1e-10)
5288	uC-zmflmo17169g10a1.f2	zf-c3hc4(HMM:5.2e-05)
5289	afb700381752.h1.f3	zf-c3hc4(HMM:5.4)
5290	11629_1.R1011.f3	zf-c3hc4(HMM:5.4e-11)
5291	34793_1.R1011.f3	zf-c3hc4(HMM:5.5e-10)
5292	12379_1.R1011.f3	zf-c3hc4(HMM:5.6e-05)
5293	12405_1.R1011.f1	zf-c3hc4(HMM:5.6e-07)
5294	160504_1.R1011.f5	zf-c3hc4(HMM:5.8e-05)
5295	g5499490.f4	zf-c3hc4(HMM:5.9e-13)
5296	uC-zmflb73416a03a1.f4	zf-c3hc4(HMM:5e-05)
5297	15315_1.R1011.f1	zf-c3hc4(HMM:5e-10)
5298	uC-zmflmo17125g04b1.f1	zf-c3hc4(HMM:6)
5299	165281_1.R1011.f6	zf-c3hc4(HMM:6.1e-10)
5300	7605_1.R1011.f1	zf-c3hc4(HMM:6.2e-05)
5301	uC-zmflb73349g12a2.f2	zf-c3hc4(HMM:6.2e-05)
5302	156153_1.R1011.f4	zf-c3hc4(HMM:6.6e-09)
5303	192_1.R1011.f3	zf-c3hc4(HMM:6.9e-12)
5304	81913_1.R1011.f2	zf-c3hc4(HMM:6e-10)
5305	LIB148-043-Q1-E1-F4.f4	zf-c3hc4(HMM:6e-11)
5306	87354_1.R1011.f2	zf-c3hc4(HMM:6e-12)
5307	234606_1.R1011.f1	zf-c3hc4(HMM:7.2e-07)
5308	18194_1.R1011.f1	zf-c3hc4(HMM:7.2e-11)
5309	fC-zmro700830687d1.f6	zf-c3hc4(HMM:7.2e-11)
5310	45085_2.R1011.f1	zf-c3hc4(HMM:7.3e-09)
5311	tfd700572139.h1.f1	zf-c3hc4(HMM:7.5)
5312	LIB3066-035-Q1-K1-F7.f2	zf-c3hc4(HMM:7.6e-08)
5313	LIB3062-024-Q1-K1-H9.f2	zf-c3hc4(HMM:7.7)
5314	24170_1.R1011.f5	zf-c3hc4(HMM:7.7e-09)
5315	46930_1.R1011.f2	zf-c3hc4(HMM:7.7e-11)
5316	168837_1.R1011.f5	zf-c3hc4(HMM:7e-13)
5317	LIB3067-045-Q1-K1-D1.f3	zf-c3hc4(HMM:8.2e-10)
5318	rvt700549916.h1.f1	zf-c3hc4(HMM:8.2e-10)
5319	83740_1.R1011.f1	zf-c3hc4(HMM:8.4e-11)
5320	61691_1.R1011.f2	zf-c3hc4(HMM:8.5e-06)
5321	5889_5.R1011.f2	zf-c3hc4(HMM:8.5e-10)
5322	14670_1.R1011.f3	zf-c3hc4(HMM:8.7e-12)
5323	22644_1.R1011.f2	zf-c3hc4(HMM:8.8e-05)
5324	124447_1.R1011.f1	zf-c3hc4(HMM:8e-08)
5325	66159_1.R1011.f1	zf-c3hc4(HMM:9.5e-10)
5326	LIB36-009-Q1-E1-D11.f1	zf-c3hc4(HMM:9.6e-11)
5327	74958_1.R1011.f3	zf-c3hc4(HMM:9.8e-05)
5328	uC-zmflmo17313f11b1.f1	zf-c3hc4(HMM:9.9e-05)
5329	179_2.R1011.f3	zf-c3hc4(HMM:9e-08)
5330	46477_1.R1011.f3	zf-c3hc4(HMM:9e-09)
5331	72105_1.R1011.f3	zf-ccch(HMM:0.00014)
5332	gwl700617311.h1.f1	zf-ccch(HMM:0.00049)
5333	241_18.R1011.f2	zf-ccch(HMM:0.00065)
5334	ceu700424071.h1.f2	zf-ccch(HMM:0.00071)
5335	192997_2.R1011.f5	zf-ccch(HMM:0.0015)
5336	241_14.R1011.f1	zf-ccch(HMM:0.0044)
5337	192997_1.R1011.f4	zf-ccch(HMM:0.0047)
5338	222263_1.R1011.f3	zf-ccch(HMM:0.0055)
5339	uC-zmflmo17312g01b1.f3	zf-ccch(HMM:0.0058)
5340	LIB3079-034-Q1-K1-B7.f2	zf-ccch(HMM:0.011)

5341	xmt700264760.h1.f1	zf-ccch(HMM:0.011)
5342	uC-zmroteosinte031d02b1.f1	zf-ccch(HMM:0.012)
5343	LIB143-015-Q1-E1-F10.f3	zf-ccch(HMM:0.016)
5344	669_38.R1011.f5	zf-ccch(HMM:0.018)
5345	LIB3137-061-Q1-K1-C2.f3	zf-ccch(HMM:0.019)
5346	95888_1.R1011.f2	zf-ccch(HMM:0.023)
5347	11184_1.R1011.f2	zf-ccch(HMM:0.028)
5348	pmx700082907.h1.f2	zf-ccch(HMM:0.035)
5349	4975_2.R1011.f2	zf-ccch(HMM:0.08)
5350	4975_4.R1011.f2	zf-ccch(HMM:0.08)
5351	4975_5.R1011.f1	zf-ccch(HMM:0.08)
5352	LIB3060-017-Q1-K1-C3.f2	zf-ccch(HMM:0.08)
5353	LIB3159-018-Q1-K1-F2.f3	zf-ccch(HMM:0.098)
5354	LIB3066-019-Q1-K1-A5.f1	zf-ccch(HMM:0.12)
5355	241_32.R1011.f3	zf-ccch(HMM:0.13)
5356	LIB3076-015-Q1-K1-B7.f3	zf-ccch(HMM:0.15)
5357	uwc700155036.h1.f3	zf-ccch(HMM:0.18)
5358	xjt700093378.h1.f3	zf-ccch(HMM:0.2)
5359	305434_1.R1011.f2	zf-ccch(HMM:1.1)
5360	85058_1.R1011.f1	zf-ccch(HMM:1.1e-06)
5361	241_9.R1011.f3	zf-ccch(HMM:1.1e-19)
5362	LIB3150-054-Q1-N1-G6.f3	zf-ccch(HMM:1.3e-05)
5363	241_24.R1011.f3	zf-ccch(HMM:1.4e-08)
5364	43689_2.R1011.f2	zf-ccch(HMM:1.4e-08)
5365	45198_1.R1011.f2	zf-ccch(HMM:1.6e-12)
5366	124725_1.R1011.f1	zf-ccch(HMM:1.7e-07)
5367	171242_1.R1011.f2	zf-ccch(HMM:1.8e-07)
5368	39072_2.R1011.f2	zf-ccch(HMM:1e-05)
5369	g4621377.f6	zf-ccch(HMM:1e-08)
5370	108766_1.R1011.f2	zf-ccch(HMM:2.2e-05)
5371	100614_1.R1011.f1	zf-ccch(HMM:2.4e-06)
5372	wen700331895.h1.f3	zf-ccch(HMM:2.6e-09)
5373	39045_1.R1011.f1	zf-ccch(HMM:2.6e-10)
5374	10942_1.R1011.f2	zf-ccch(HMM:2.8e-08)
5375	tfd700570940.h1.f2	zf-ccch(HMM:2.9)
5376	uC-zmflmo17212f08a1.f5	zf-ccch(HMM:2.9e-19)
5377	241_46.R1011.f2	zf-ccch(HMM:2e-08)
5378	43689_1.R1011.f1	zf-ccch(HMM:3.2e-05)
5379	xsy700208053.h1.f1	zf-ccch(HMM:3.7e-05)
5380	669_4.R1011.f4	zf-ccch(HMM:3.8e-08)
5381	669_19.R1011.f6	zf-ccch(HMM:4.2e-06)
5382	LIB3069-022-Q1-K1-E8.f3	zf-ccch(HMM:4.2e-06)
5383	rvl700458624.h1.f3	zf-ccch(HMM:4.2e-06)
5384	uC-zmflb73056f02b1.f2	zf-ccch(HMM:4.2e-06)
5385	39072_1.R1011.f2	zf-ccch(HMM:4.3e-07)
5386	67016_1.R1011.f1	zf-ccch(HMM:6e-06)
5387	46780_1.R1011.f5	zf-cchc(HMM:0.00012)
5388	1973_2.R1011.f3	zf-cchc(HMM:0.00013)
5389	15134_1.R1011.f3	zf-cchc(HMM:0.00015)
5390	15134_3.R1011.f3	zf-cchc(HMM:0.00015)
5391	1973_1.R1011.f1	zf-cchc(HMM:0.00015)
5392	21823_2.R1011.f2	zf-cchc(HMM:0.00015)
5393	198110_1.R1011.f6	zf-cchc(HMM:0.00018)
5394	LIB148-057-Q1-E1-D4.f1	zf-cchc(HMM:0.00021)

5395	5025_5.R1011.fl	zf-cchc(HMM:0.00022)
5396	5025_4.R1011.f3	zf-cchc(HMM:0.00023)
5397	14488_1.R1011.f3	zf-cchc(HMM:0.00034)
5398	1470_4.R1011.f2	zf-cchc(HMM:0.00038)
5399	LIB3059-057-Q1-K1-G9.f2	zf-cchc(HMM:0.00043)
5400	5025_1.R1011.f3	zf-cchc(HMM:0.00044)
5401	g5525748.fl	zf-cchc(HMM:0.00067)
5402	g5108105.f6	zf-cchc(HMM:0.0029)
5403	LIB3079-025-Q1-K1-D3.fl	zf-cchc(HMM:0.0037)
5404	nbm700475724.h1.f2	zf-cchc(HMM:0.005)
5405	228532_1.R1011.f3	zf-cchc(HMM:0.014)
5406	209389_1.R1011.f3	zf-cchc(HMM:0.015)
5407	uC-zmflmo17058c11b1.fl	zf-cchc(HMM:0.021)
5408	kem700612104.h1.f6	zf-cchc(HMM:0.022)
5409	zla700380602.h1.f2	zf-cchc(HMM:0.037)
5410	LIB3068-010-Q1-K1-C8.f6	zf-cchc(HMM:0.041)
5411	g3341167.f5	zf-cchc(HMM:0.075)
5412	afb700381773.h1.f3	zf-cchc(HMM:0.13)
5413	138078_1.R1011.fl	zf-cchc(HMM:1.2e-25)
5414	fdz701161114.h1.f3	zf-cchc(HMM:1.3e-05)
5415	hbs701183301.h1.fl	zf-cchc(HMM:1.5e-05)
5416	gct701174387.h1.fl	zf-cchc(HMM:1.5e-08)
5417	15380_1.R1011.f3	zf-cchc(HMM:1.6e-34)
5418	109815_1.R1011.fl	zf-cchc(HMM:1.8e-29)
5419	1470_1.R1011.f2	zf-cchc(HMM:1.9e-09)
5420	3283_1.R1011.fl	zf-cchc(HMM:2.1e-25)
5421	303232_1.R1011.f3	zf-cchc(HMM:2.4e-05)
5422	178_1.R1011.f2	zf-cchc(HMM:2.5e-16)
5423	185984_1.R1011.f4	zf-cchc(HMM:2.6e-05)
5424	LIB3075-040-Q1-K1-D9.fl	zf-cchc(HMM:2.7e-16)
5425	1470_2.R1011.f2	zf-cchc(HMM:2e-09)
5426	8129_1.R1011.f2	zf-cchc(HMM:3.2e-47)
5427	10584_1.R1011.fl	zf-cchc(HMM:3.9e-05)
5428	uC-zmroteosinte012g04b1.fl	zf-cchc(HMM:3e-08)
5429	nwy700448416.h1.fl	zf-cchc(HMM:4.2e-07)
5430	5300_1.R1011.f3	zf-cchc(HMM:4.5e-06)
5431	15380_2.R1011.f2	zf-cchc(HMM:4.8e-06)
5432	119865_1.R1011.f5	zf-cchc(HMM:4e-05)
5433	uC-zmflb73236d12b1.f3	zf-cchc(HMM:5.2e-08)
5434	nbm700464657.h1.fl	zf-cchc(HMM:6.8e-17)
5435	20468_1.R1011.f3	zf-cchc(HMM:6e-06)
5436	xmt700259359.h1.f3	zf-cchc(HMM:7.5e-05)
5437	fdz701163614.h1.fl	zf-cchc(HMM:7.8e-06)
5438	uC-zmroB73014a05b1.fl	zf-constans(HMM:0.00013)
5439	uC-zmflMo17063f08b1.fl	zf-constans(HMM:0.00038)
5440	xsy700209246.h1.f3	zf-constans(HMM:0.0098)
5441	40402_1.R1011.f2	zf-constans(HMM:0.041)
5442	LIB143-024-Q1-E1-F4.f3	zf-constans(HMM:0.16)
5443	68636_1.R1011.f3	zf-constans(HMM:0.18)
5444	982_2.R1011.f3	zf-constans(HMM:0.28)
5445	LIB3060-050-Q1-K1-B6.f3	zf-constans(HMM:0.48)
5446	uC-zmflb73237g05b2.f3	zf-constans(HMM:1.1e-10)
5447	134910_1.R1011.f2	zf-constans(HMM:1.1e-14)
5448	107610_1.R1011.f3	zf-constans(HMM:1.2e-16)

5449	8146_1.R1011.f3	zf-constans(HMM:1.6e-38)
5450	119960_1.R1011.f3	zf-constans(HMM:2.1e-27)
5451	106090_1.R1011.f1	zf-constans(HMM:2.3e-19)
5452	LIB3136-058-Q1-K1-H11.f3	zf-constans(HMM:2.5e-09)
5453	LIB189-006-Q1-E1-D9.f2	zf-constans(HMM:2.5e-16)
5454	clt700041959.f1.f3	zf-constans(HMM:2.6e-18)
5455	18832_1.R1011.f1	zf-constans(HMM:3.1e-06)
5456	LIB3066-002-Q1-K1-C3.f2	zf-constans(HMM:3.2e-13)
5457	LIB3115-031-P1-K1-H5.f2	zf-constans(HMM:3.2e-13)
5458	8146_4.R1011.f3	zf-constans(HMM:3.2e-39)
5459	13038_2.R1011.f3	zf-constans(HMM:3.7e-11)
5460	123361_1.R1011.f2	zf-constans(HMM:3.8e-16)
5461	13038_1.R1011.f1	zf-constans(HMM:3.9e-11)
5462	xsy700209575.h1.f3	zf-constans(HMM:5.3e-17)
5463	61071_1.R1011.f2	zf-constans(HMM:5.5e-07)
5464	uC-zmflmo17101f11b1.f1	zf-constans(HMM:5.8e-05)
5465	64502_1.R1011.f2	zf-constans(HMM:5.8e-32)
5466	uC-zmflb73181h07b1.f2	zf-constans(HMM:6.1)
5467	LIB3136-044-P1-K1-A4.f3	zf-constans(HMM:6.4e-11)
5468	18330_1.R1011.f2	zf-constans(HMM:7.1e-21)
5469	14661_1.R1011.f3	zf-mynd(HMM:1.4e-07)
5470	965_30.R1011.f3	zf-mynd(HMM:1.8e-05)
5471	965_36.R1011.f1	zf-mynd(HMM:2.5e-11)
5472	224949_1.R1011.f2	zf-mynd(HMM:9.6e-09)
5473	88460_1.R1011.f1	zf-nf-x1(HMM:0.073)
5474	wen700331933.h1.f1	zf-nf-x1(HMM:0.82)
5475	LIB3067-037-Q1-K1-F12.f3	zf-nf-x1(HMM:1.8e-05)
5476	50287_1.R1011.f2	zz(HMM:0.02)
5477	5730_1.R1011.f1	zz(HMM:2e-12)
5478	2912_1.R1011.f2	zz(HMM:6.4e-07)

Table 5. Nucleic acid sequences encoding transcription factors from maize

SEQ NUM	SEQ ID	Family/Method/E-value
5479	LIB189-022-Q1-E1-E2	14-3-3(HMM:0.00012)
5480	uC-zmflb73092h03b2	14-3-3(HMM:0.00024)
5481	LIB148-011-Q1-E1-B1	14-3-3(HMM:0.00066)
5482	LIB3075-054-Q1-K1-F10	14-3-3(HMM:0.0011)
5483	594_8.R1011	14-3-3(HMM:0.0014)
5484	9611_2.R1011	14-3-3(HMM:0.0019)
5485	LIB3156-010-Q1-K1-H2	14-3-3(HMM:0.0043)
5486	qmh700029541.fl	14-3-3(HMM:0.0054)
5487	LIB3066-018-Q1-K1-C4	14-3-3(HMM:0.0076)
5488	1410_4.R1011	14-3-3(HMM:0.014)
5489	LIB3152-012-P1-K1-D11	14-3-3(HMM:0.024)
5490	LIB3150-049-Q1-N1-C9	14-3-3(HMM:0.027)
5491	uC-zmflmo17127b07b1	14-3-3(HMM:0.18)
5492	LIB3079-008-Q1-K1-B7	14-3-3(HMM:1.1e-08)
5493	tfd700575123.h1	14-3-3(HMM:1.2)
5494	594_2.R1011	14-3-3(HMM:1.4e-30)
5495	566_1.R1011	14-3-3(HMM:1.4e-77)
5496	566_3.R1011	14-3-3(HMM:1.5e-161)
5497	566_9.R1011	14-3-3(HMM:1.5e-29)
5498	LIB3075-042-Q1-K1-C4	14-3-3(HMM:1.6e-11)
5499	1410_3.R1011	14-3-3(HMM:1.7e-52)
5500	LIB3150-041-Q1-N1-A4	14-3-3(HMM:1.9)
5501	731_4.R1011	14-3-3(HMM:1.9e-170)
5502	LIB3159-007-Q1-K1-E7	14-3-3(HMM:1e-20)
5503	LIB3075-002-Q1-K1-B12	14-3-3(HMM:2.1e-07)
5504	1410_7.R1011	14-3-3(HMM:2.1e-16)
5505	wen700336508.h1	14-3-3(HMM:2.1e-16)
5506	1410_1.R1011	14-3-3(HMM:2.2e-178)
5507	gct701175267.h1	14-3-3(HMM:2.3e-35)
5508	fC-zmro700834529r1	14-3-3(HMM:2.6e-06)
5509	594_9.R1011	14-3-3(HMM:2.6e-13)
5510	LIB3137-033-Q1-K1-C6	14-3-3(HMM:2.8e-13)
5511	LIB3150-039-Q1-N1-D12	14-3-3(HMM:2.9e-06)
5512	LIB143-015-Q1-E1-B3	14-3-3(HMM:3)
5513	10404_1.R1011	14-3-3(HMM:3.1e-125)
5514	fC-zmro700834529fl	14-3-3(HMM:3.3e-05)
5515	uC-zmroB73028d12b1	14-3-3(HMM:3.5e-26)
5516	594_3.R1011	14-3-3(HMM:3.7e-127)
5517	LIB3279-053-P1-K1-D2	14-3-3(HMM:3.8e-32)
5518	xjt700096581.h1	14-3-3(HMM:3e-30)
5519	xyt700343495.h1	14-3-3(HMM:4.1e-07)
5520	LIB3150-026-Q1-N1-F5	14-3-3(HMM:4.3e-07)
5521	LIB3180-012-P2-M1-C12	14-3-3(HMM:4.5e-11)
5522	LIB3066-020-Q1-K1-G3	14-3-3(HMM:4.6e-05)
5523	uC-zmflmo17280d02b1	14-3-3(HMM:4.7e-05)
5524	xtj700378323.h1	14-3-3(HMM:4.8e-07)
5525	LIB3180-017-P2-M1-F3	14-3-3(HMM:4.9e-17)
5526	566_2.R1011	14-3-3(HMM:4e-176)
5527	LIB3059-008-Q1-K1-C8	14-3-3(HMM:5.1e-09)
5528	LIB3180-007-P2-M1-H1	14-3-3(HMM:5.2e-05)
5529	uC-zmflmo17269d08b1	14-3-3(HMM:5.3e-18)
5530	LIB3076-038-Q1-K1-E4	14-3-3(HMM:5.4e-12)

5639	153248_1.R1011	ap2-domain(HMM:0.00029)
5640	uC-zmroteosinte119c10b1	ap2-domain(HMM:0.00029)
5641	LIB3075-022-Q1-K1-A3	ap2-domain(HMM:0.00032)
5642	LIB3150-014-Q1-N1-B12	ap2-domain(HMM:0.00038)
5643	rvl700458374.h1	ap2-domain(HMM:0.0027)
5644	LIB3062-027-Q1-K1-B1	ap2-domain(HMM:0.0031)
5645	hbs701183475.h1	ap2-domain(HMM:0.0033)
5646	g5499545	ap2-domain(HMM:0.0037)
5647	122701_2.R1011	ap2-domain(HMM:0.0062)
5648	LIB3076-043-Q1-K1-H9	ap2-domain(HMM:0.0085)
5649	qmh700029224.fl	ap2-domain(HMM:0.009)
5650	LIB3150-014-Q1-N1-B11	ap2-domain(HMM:0.0091)
5651	56107_1.R1011	ap2-domain(HMM:0.015)
5652	7011_1.R1011	ap2-domain(HMM:0.015)
5653	354982_1.R1011	ap2-domain(HMM:0.045)
5654	uC-zmflmo17132f01a1	ap2-domain(HMM:0.053)
5655	105425_1.R1011	ap2-domain(HMM:0.21)
5656	LIB3150-034-Q1-N1-F5	ap2-domain(HMM:0.21)
5657	LIB3279-060-P1-K1-B2	ap2-domain(HMM:0.78)
5658	kem700610879.h1	ap2-domain(HMM:0.89)
5659	LIB3078-051-Q1-K1-C6	ap2-domain(HMM:1.1)
5660	LIB3066-002-Q1-K1-E6	ap2-domain(HMM:1.1e-27)
5661	LIB143-064-Q1-E1-H9	ap2-domain(HMM:1.2e-09)
5662	115159_1.R1011	ap2-domain(HMM:1.2e-12)
5663	14954_2.R1011	ap2-domain(HMM:1.2e-33)
5664	57898_1.R1011	ap2-domain(HMM:1.4e-15)
5665	pmx700086814.h1	ap2-domain(HMM:1.4e-18)
5666	LIB83-014-Q1-E1-E11	ap2-domain(HMM:1.4e-30)
5667	LIB84-013-Q1-E1-H4	ap2-domain(HMM:1.4e-32)
5668	LIB3115-032-P1-K1-F11	ap2-domain(HMM:1.5e-31)
5669	94442_1.R1011	ap2-domain(HMM:1.5e-34)
5670	fC-zmst700620948a1	ap2-domain(HMM:1.6e-26)
5671	uC-zmflmo17073g07b1	ap2-domain(HMM:1.8e-27)
5672	151326_1.R1011	ap2-domain(HMM:1.8e-36)
5673	18554_1.R1011	ap2-domain(HMM:1.8e-36)
5674	11285_1.R1011	ap2-domain(HMM:1.9e-29)
5675	uwc700156315.h1	ap2-domain(HMM:1e-10)
5676	19862_2.R1011	ap2-domain(HMM:1e-32)
5677	uC-zmflmo17067g09b1	ap2-domain(HMM:2.1e-06)
5678	1134_1.R1011	ap2-domain(HMM:2.1e-68)
5679	69375_1.R1011	ap2-domain(HMM:2.2e-20)
5680	LIB3279-008-P1-K1-H11	ap2-domain(HMM:2.3)
5681	1015_1.R1011	ap2-domain(HMM:2.4e-66)
5682	uC-zmflm017207f07b1	ap2-domain(HMM:2.5e-36)
5683	18_1.R1011	ap2-domain(HMM:2.5e-38)
5684	21410_1.R1011	ap2-domain(HMM:2.7e-39)
5685	LIB3062-015-Q1-K1-F11	ap2-domain(HMM:2.7e-40)
5686	LIB3066-002-Q1-K1-D7	ap2-domain(HMM:2.9e-09)
5687	LIB3066-025-Q1-K1-D10	ap2-domain(HMM:2e-36)
5688	LIB3279-060-P1-K1-B7	ap2-domain(HMM:3.1e-11)
5689	13324_1.R1011	ap2-domain(HMM:3.1e-27)
5690	47138_1.R1011	ap2-domain(HMM:3.3)
5691	LIB3062-046-Q1-K1-B1	ap2-domain(HMM:3.4e-19)
5692	91505_1.R1011	ap2-domain(HMM:3.4e-26)

5693	19319_1.R1011	ap2-domain(HMM:3.5e-09)
5694	fC-zmst700623908a1	ap2-domain(HMM:3.5e-48)
5695	18_5.R1011	ap2-domain(HMM:3.7)
5696	uC-zmflMo17092h11b1	ap2-domain(HMM:3.7e-05)
5697	282965_1.R1011	ap2-domain(HMM:3.7e-36)
5698	788_1.R1011	ap2-domain(HMM:3.7e-62)
5699	tfd700573489.h2	ap2-domain(HMM:3e-41)
5700	zla700380117.h1	ap2-domain(HMM:4.1)
5701	176781_1.R1011	ap2-domain(HMM:4.1e-14)
5702	vux700161592.h1	ap2-domain(HMM:4.2e-30)
5703	1134_2.R1011	ap2-domain(HMM:4.5e-56)
5704	122701_1.R1011	ap2-domain(HMM:4.6e-25)
5705	cjh700197716.h1	ap2-domain(HMM:4.8e-37)
5706	LIB3062-042-Q1-K1-A4	ap2-domain(HMM:5.1e-12)
5707	369_1.R1011	ap2-domain(HMM:5.1e-38)
5708	LIB3156-001-Q1-K1-H9	ap2-domain(HMM:5.3e-26)
5709	14954_1.R1011	ap2-domain(HMM:5.4e-33)
5710	42286_1.R1011	ap2-domain(HMM:5.6e-37)
5711	LIB3137-013-Q1-K1-H10	ap2-domain(HMM:7.2e-07)
5712	173_1.R1011	ap2-domain(HMM:7.2e-36)
5713	LIB3118-011-Q1-K1-B1	ap2-domain(HMM:7.5e-38)
5714	19862_1.R1011	ap2-domain(HMM:8.3e-39)
5715	154890_1.R1011	ap2-domain(HMM:9.5e-42)
5716	40836_1.R1011	ap2-domain(HMM:9.6e-37)
5717	22183_1.R1011	ap2-domain(HMM:9.8e-12)
5718	45015_1.R1011	ap2-domain(HMM:9.8e-41)
5719	LIB3180-047-P2-G3	arf(HMM:0.00018)
5720	295090_1.R1011	"arf(HMM:0.00071),b3(HMM:1.1e-05)"
5721	g5555419	arf(HMM:0.0015)
5722	uwc700152959.h1	"arf(HMM:0.0049),b3(HMM:2.2e-07)"
5723	uC-zmflb73175c11b1	arf(HMM:0.01)
5724	121418_1.R1011	"arf(HMM:1.1e-48),b3(HMM:1.2e-20)"
5725	123702_1.R1011	"arf(HMM:1.1e-49),b3(HMM:4.7e-37)"
5726	40180_2.R1011	"arf(HMM:1.1e-81),b3(HMM:1.1e-43)"
5727	35987_1.R1011	"arf(HMM:1.2e-07),b3(HMM:0.0015)"
5728	20840_1.R1011	"arf(HMM:1.2e-18),b3(HMM:4.3e-28)"
5729	59030_1.R1011	arf(HMM:1.2e-19)
5730	5125_1.R1011	"arf(HMM:1.3e-14),b3(HMM:4.8e-08)"
5731	fdz701158984.h2	"arf(HMM:1.3e-27),b3(HMM:0.085)"
5732	LIB3076-001-Q1-K1-D4	arf(HMM:1.4e-08)
5733	rvt700552571.h1	arf(HMM:1.4e-13)
5734	6146_1.R1011	"arf(HMM:1.4e-29),b3(HMM:4.7e-07),iaa(HMM:1.1e-36)"
5735	qmh700028591.fl	"arf(HMM:1.6),b3(HMM:0.0006

5736	gw1700613433.h1	4)"
5737	296401_1.R1011	arf(HMM:1.6e-17)
5738	LIB3068-003-Q1-K1-F5	arf(HMM:1.7e-09)
		"arf(HMM:1.7e-12),b3(HMM:0.00011)"
5739	90938_1.R1011	"arf(HMM:1.7e-15),iaa(HMM:3e-37)"
5740	LIB3060-022-Q1-K1-E5	arf(HMM:1.9e-25)
5741	uC-zmflmo17050f03b2	arf(HMM:2.2e-10)
5742	pmx700088108.h1	"arf(HMM:2.3e-10),b3(HMM:2e-24)"
5743	LIB3069-017-Q1-K1-C5	"arf(HMM:2.5e-07),b3(HMM:4.2e-19)"
5744	36737_1.R1011	arf(HMM:2.9e-17)
5745	xmt700260445.h1	arf(HMM:3.1e-15)
5746	pmx700087165.h1	"arf(HMM:3.2e-19),b3(HMM:3.8e-08)"
5747	5832_1.R1011	"arf(HMM:3.2e-21),b3(HMM:0.11)"
5748	11840_1.R1011	"arf(HMM:3.3e-83),b3(HMM:1.7e-16)"
5749	uC-zmrob73080h10b1	arf(HMM:3.6e-05)
5750	93228_1.R1011	arf(HMM:3.9e-08)
5751	45125_2.R1011	arf(HMM:3.9e-33)
5752	84957_1.R1011	"arf(HMM:4.1e-226),b3(HMM:1.2e-53)"
5753	167490_1.R1011	"arf(HMM:4.1e-84),b3(HMM:5e-29)"
5754	uC-zmroteosinte011c06b1	arf(HMM:4.4)
5755	5206_1.R1011	"arf(HMM:4.5e-15),iaa(HMM:7.3e-42)"
5756	40180_1.R1011	"arf(HMM:4.6e-18),b3(HMM:0.39)"
5757	ymt700219207.h1	arf(HMM:4.8e-07)
5758	nbm700473253.h1	"arf(HMM:5.5e-05),b3(HMM:1.4e-14)"
5759	93230_1.R1011	"arf(HMM:5.6e-42),b3(HMM:6.9e-05)"
5760	rvt700551414.h1	arf(HMM:5.7e-22)
5761	xjt700096660.h1	arf(HMM:5e-14)
5762	14342_1.R1011	"arf(HMM:6.5e-21),iaa(HMM:1.6e-35)"
5763	118537_1.R1011	"arf(HMM:6.9e-09),b3(HMM:0.00028)"
5764	xsy700212223.h1	"arf(HMM:8.1),b3(HMM:2.2e-13)"
5765	uC-zmflmo17242d12b1	arf(HMM:8.2e-11)
5766	4856_1.R1011	arf(HMM:8.5e-13)
5767	136361_1.R1011	arf(HMM:8.7e-15)
5768	28373_1.R1011	"arf(HMM:8.8e-05),b3(HMM:1.2e-14)"
5769	uC-zmflmo17187e06b1	"arf(HMM:9.5e-13),b3(HMM:3.9e-34)"
5770	uC-zmflmo17020c04b1	"arf(HMM:9.7e-

5771	rvt700549405.h1	13),b3(HMM:1.2e-08)" "arf(HMM:9.9e-06),b3(HMM:7.9e-10)"
5772	26695_1.R1011	arid(HMM:0.012)
5773	pmx700085770.h1	arid(HMM:0.067)
5774	12446_1.R1011	arid(HMM:5.8e-06)
5775	61331_1.R1011	"athook(HMM:0.067),linker_hist one(HMM:4.5e-18)"
5776	LIB3066-045-Q1-K1-G6	b3(HMM:0.00014)
5777	cyk700051980.fl	b3(HMM:0.0022)
5778	61168_1.R1011	b3(HMM:1.2e-62)
5779	64730_3.R1011	b3(HMM:1.8e-17)
5780	138382_1.R1011	b3(HMM:1.9e-47)
5781	uC-zmflmo17150d04b1	b3(HMM:2.6e-13)
5782	g2437851	b3(HMM:3.8e-11)
5783	112988_1.R1011	b3(HMM:3e-06)
5784	595_1.R1011	b3(HMM:4.4e-72)
5785	uC-zmroteosinte109f10b3	b3(HMM:5.5e-08)
5786	64730_1.R1011	b3(HMM:8e-34)
5787	155104_1.R1011	b3(HMM:9.8e-39)
5788	LIB3069-031-Q1-K1-A4	bah(HMM:0.00023)
5789	12258_2.R1011	"bah(HMM:0.0018),phd(HMM:7 .7e-11)"
5790	122916_1.R1011	bah(HMM:0.01)
5791	12258_1.R1011	"bah(HMM:1.3e-34),phd(HMM:4.9e-10)"
5792	20651_1.R1011	"bah(HMM:1.6e-17),phd(HMM:2.6e-06)"
5793	4802_1.R1011	"bah(HMM:1.7e-36),phd(HMM:9e-13)"
5794	uC-zmflmo17280e09b1	bah(HMM:1.9e-09)
5795	189689_1.R1011	bah(HMM:1e-09)
5796	139677_1.R1011	bah(HMM:1e-26)
5797	uC-zmroB73015h11b1	"bah(HMM:2.6e-30),phd(HMM:0.0085)"
5798	uC-zmflb73057c03a2	bah(HMM:5.1e-05)
5799	14941_2.R1011	"bah(HMM:7.5e-24),phd(HMM:6.3e-08)"
5800	67623_1.R1011	bah(HMM:8.8e-07)
5801	774_1.R1011	bpf-1(HMM:0)
5802	774_2.R1011	bpf-1(HMM:0)
5803	uC-zmflb73318h08b1	bpf-1(HMM:3.3e-12)
5804	uC-zmflb73193b04b1	bpf-1(HMM:4.2e-12)
5805	LIB3066-049-Q1-K1-B3	bpf-1(HMM:4.5e-32)
5806	uC-zmflmo17187a03b1	bpf-1(HMM:5.2e-13)
5807	LIB3279-059-P1-K1-C4	bpf-1(HMM:7.7e-36)
5808	uC-zmflb73212e04a1	bromodomain(HMM:0.00071)
5809	nbm700467939.h1	bromodomain(HMM:0.0011)
5810	77245_1.R1011	bromodomain(HMM:0.0019)
5811	76108_1.R1011	bromodomain(HMM:0.082)
5812	ymt700223701.h1	bromodomain(HMM:0.41)
5813	xjt700092623.h1	bromodomain(HMM:0.55)
5814	266593_1.R1011	bromodomain(HMM:1.5e-09)
5815	31955_1.R1011	bromodomain(HMM:1.5e-19)

5816	pmx700090964.h1	bromodomain(HMM:2.8e-22)
5817	45171_1.R1011	bromodomain(HMM:4.7e-25)
5818	nwy700447086.h1	bromodomain(HMM:5.4e-14)
5819	77056_1.R1011	bromodomain(HMM:5e-07)
5820	66917_1.R1011	bromodomain(HMM:6.1e-29)
5821	6140_1.R1011	bromodomain(HMM:6.2e-31)
5822	58940_1.R1011	bromodomain(HMM:6.4e-12)
5823	wen700334517.h1	bromodomain(HMM:7.9)
5824	12516_1.R1011	bromodomain(HMM:9.5e-05)
5825	77258_1.R1011	bromodomain(HMM:9.8e-32)
5826	wen700332659.h1	bromodomain(HMM:9e-31)
5827	pmx700090579.h1	btb(HMM:0.00013)
5828	uC-zmflmo17309d06b1	btb(HMM:0.00014)
5829	94638_1.R1011	btb(HMM:0.00028)
5830	12580_1.R1011	btb(HMM:0.01)
5831	wyr700242203.h1	btb(HMM:0.023)
5832	LIB148-012-Q1-E1-E4	btb(HMM:0.039)
5833	79402_1.R1011	btb(HMM:0.083)
5834	5427_2.R1011	btb(HMM:0.18)
5835	24283_1.R1011	btb(HMM:1.2e-26)
5836	67288_1.R1011	btb(HMM:1.4)
5837	46942_1.R1011	btb(HMM:1.4e-28)
5838	56570_1.R1011	btb(HMM:1.5e-20)
5839	136749_1.R1011	btb(HMM:1.8e-08)
5840	230586_1.R1011	btb(HMM:1.8e-08)
5841	36908_1.R1011	btb(HMM:1.9e-20)
5842	vfk700404896.h1	btb(HMM:1e-05)
5843	qmh700028765.fl	btb(HMM:3.5)
5844	LIB189-031-Q1-E1-F6	btb(HMM:4.5e-17)
5845	117075_1.R1011	bzip(HMM:0.00045)
5846	19767_2.R1011	bzip(HMM:0.0012)
5847	g297019	bzip(HMM:0.0019)
5848	183787_1.R1011	bzip(HMM:0.0021)
5849	184_1.R1011	bzip(HMM:0.0023)
5850	19767_1.R1011	bzip(HMM:0.0029)
5851	796_1.R1011	bzip(HMM:0.0036)
5852	94067_1.R1011	bzip(HMM:0.0037)
5853	LIB3078-008-Q1-K1-A8	bzip(HMM:0.0046)
5854	80936_1.R1011	bzip(HMM:0.0058)
5855	80936_3.R1011	bzip(HMM:0.0058)
5856	66094_2.R1011	bzip(HMM:0.0073)
5857	fC-zmro700834891fl	bzip(HMM:0.0084)
5858	996_1.R1011	bzip(HMM:0.0098)
5859	36566_1.R1011	bzip(HMM:0.011)
5860	uC-zmflb73142c04b1	bzip(HMM:0.011)
5861	2705_1.R1011	bzip(HMM:0.014)
5862	246805_1.R1011	bzip(HMM:0.015)
5863	xsy700217015.h1	bzip(HMM:0.031)
5864	31891_1.R1011	bzip(HMM:0.035)
5865	cyk700051876.fl	bzip(HMM:0.045)
5866	80936_4.R1011	bzip(HMM:0.053)
5867	168_1.R1011	bzip(HMM:0.074)
5868	1894_3.R1011	bzip(HMM:0.079)
5869	16253_1.R1011	bzip(HMM:0.11)

5870	uC-zmflmo17113b02b1	bzip(HMM:0.11)
5871	LIB83-001-Q1-E1-H6	bzip(HMM:0.17)
5872	26070_2.R1011	bzip(HMM:0.23)
5873	xyt700343308.h1	bzip(HMM:0.25)
5874	LIB3180-035-P2-M2-D10	bzip(HMM:0.42)
5875	80936_2.R1011	bzip(HMM:1)
5876	LIB3156-017-Q1-K1-B12	bzip(HMM:1.3)
5877	9912_2.R1011	bzip(HMM:1.3e-16)
5878	6292_1.R1011	bzip(HMM:1.4e-12)
5879	65710_1.R1011	bzip(HMM:1.4e-12)
5880	66302_1.R1011	bzip(HMM:1.5)
5881	559_1.R1011	bzip(HMM:1.5e-19)
5882	559_2.R1011	bzip(HMM:1.5e-19)
5883	69626_1.R1011	bzip(HMM:1.6e-21)
5884	11877_1.R1011	bzip(HMM:1.7)
5885	fC-zmro700807549a1	bzip(HMM:1.7e-15)
5886	uC-zmflmo17240b07b1	bzip(HMM:1.7e-16)
5887	uC-zmflmo17219e03b1	bzip(HMM:1.8e-05)
5888	174_1.R1011	bzip(HMM:1e-06)
5889	LIB3067-002-Q1-K1-D4	bzip(HMM:1e-08)
5890	76804_1.R1011	bzip(HMM:1e-09)
5891	35221_3.R1011	bzip(HMM:2.1e-12)
5892	19923_1.R1011	bzip(HMM:2.1e-15)
5893	30964_1.R1011	bzip(HMM:2.2e-13)
5894	3559_2.R1011	bzip(HMM:2.3e-06)
5895	875_1.R1011	bzip(HMM:2.4e-21)
5896	LIB3136-025-Q1-K1-G3	bzip(HMM:2.4e-21)
5897	795_1.R1011	bzip(HMM:2.6e-16)
5898	uC-zmroteosinte090c12b2	bzip(HMM:2.9e-10)
5899	11539_1.R1011	bzip(HMM:2.9e-11)
5900	149215_1.R1011	bzip(HMM:2e-05)
5901	LIB3136-008-Q1-K1-F12	bzip(HMM:2e-06)
5902	62007_1.R1011	bzip(HMM:2e-11)
5903	548_1.R1011	bzip(HMM:3e-17)
5904	495_1.R1011	bzip(HMM:4.5e-14)
5905	13140_1.R1011	bzip(HMM:4.9e-07)
5906	80158_1.R1011	bzip(HMM:5.1e-20)
5907	66094_1.R1011	bzip(HMM:5.3e-13)
5908	93670_1.R1011	bzip(HMM:5.4e-13)
5909	93670_2.R1011	bzip(HMM:5.4e-13)
5910	uC-zmflmo17086c07b1	bzip(HMM:5.4e-21)
5911	uC-zmflmo17023a04b1	bzip(HMM:5.8e-05)
5912	12102_1.R1011	bzip(HMM:6.6e-14)
5913	91750_1.R1011	bzip(HMM:6.8e-08)
5914	LIB3062-026-Q1-K1-D6	bzip(HMM:6.9e-21)
5915	171_1.R1011	bzip(HMM:7.1e-21)
5916	qmh700028533.f1	bzip(HMM:7.3e-18)
5917	111526_1.R1011	bzip(HMM:7.5e-12)
5918	9912_1.R1011	bzip(HMM:8.1e-17)
5919	78927_1.R1011	bzip(HMM:8.2)
5920	495_2.R1011	bzip(HMM:9.1e-15)
5921	uC-zmroteosinte106e02b2	bzip(HMM:9.3e-15)
5922	793_4.R1011	cbfd_nfyb_hmf(HMM:0.00056)
5923	cyk700048913.f1	cbfd_nfyb_hmf(HMM:0.0069)

5976	7415_5.R1011	dpb(HMM:4.5)
5977	8830_2.R1011	dpb(HMM:4.6e-17)
5978	9825_1.R1011	dpb(HMM:8.7e-10)
5979	uC-zmroteosinte053e10b2	enbp(HMM:0.00091)
5980	175089_1.R1011	enbp(HMM:0.23)
5981	xyt700343159.h1	enbp(HMM:1.4e-34)
5982	4_3.R1011	enbp(HMM:2.5e-05)
5983	25860_1.R1011	enbp(HMM:3.1e-26)
5984	uC-zmroteosinte038a09b1	enbp(HMM:3e-08)
5985	g4646558	enbp(HMM:3e-21)
5986	ceu700433052.h1	enbp(HMM:4.4e-06)
5987	rvt700551738.h1	enbp(HMM:4.4e-21)
5988	LIB3059-014-Q1-K1-D1	enbp(HMM:4.6e-06)
5989	uC-zmflmo17300a10b1	enbp(HMM:5.9e-21)
5990	90700_1.R1011	enbp(HMM:7.1e-15)
5991	LIB3115-030-P1-K1-C5	enbp(HMM:9.7e-21)
5992	xyt700344683.h1	gata(HMM:0.00021)
5993	5422_1.R1011	gata(HMM:0.0017)
5994	g5608102	gata(HMM:0.024)
5995	92655_1.R1011	gata(HMM:1.2e-15)
5996	g5439296	gata(HMM:1.6e-11)
5997	LIB3076-047-Q1-K1-G3	gata(HMM:1.7e-07)
5998	LIB3136-044-P1-K1-H10	gata(HMM:1.7e-15)
5999	uC-zmflb73054c10b1	gata(HMM:1e-09)
6000	1852_1.R1011	gata(HMM:3e-06)
6001	42120_1.R1011	gata(HMM:4.3e-08)
6002	42120_2.R1011	gata(HMM:4.3e-08)
6003	10646_1.R1011	gata(HMM:4.5e-15)
6004	362_1.R1011	gata(HMM:4.9e-15)
6005	ypc700804682.h1	gata(HMM:7.7e-06)
6006	LIB3180-020-P2-M1-D3	gata(HMM:9.6e-15)
6007	uC-zmflb73173h01b1	gld-tea(HMM:0.00013)
6008	dyk700105142.h1	gld-tea(HMM:0.00036)
6009	83829_1.R1011	gld-tea(HMM:0.00063)
6010	uC-zmflb73199e11b1	gld-tea(HMM:0.0042)
6011	LIB3070-013-Q1-N1-F11	gld-tea(HMM:0.0067)
6012	LIB3150-031-Q1-N1-H9	gld-tea(HMM:0.011)
6013	LIB3068-026-Q1-K1-C9	"gld-tea(HMM:0.013),myb_dna-binding(HMM:1.5e-11)"
6014	wyr700239235.h1	gld-tea(HMM:0.05)
6015	56327_1.R1011	gld-tea(HMM:0.087)
6016	111218_2.R1011	gld-tea(HMM:0.17)
6017	LIB3150-045-Q1-N1-E10	gld-tea(HMM:0.33)
6018	111218_1.R1011	gld-tea(HMM:0.64)
6019	11928_1.R1011	gld-tea(HMM:1.2e-31)
6020	g5740668	gld-tea(HMM:1.3e-29)
6021	106032_1.R1011	gld-tea(HMM:1.3e-30)
6022	9580_1.R1011	gld-tea(HMM:1.3e-36)
6023	uC-zmflb73195h02b1	gld-tea(HMM:1.8)
6024	9580_2.R1011	gld-tea(HMM:1.8e-31)
6025	g5607837	gld-tea(HMM:1e-28)
6026	233343_1.R1011	gld-tea(HMM:2.1e-17)
6027	63245_1.R1011	gld-tea(HMM:2.3e-19)
6028	LIB3136-049-Q1-K1-D5	gld-tea(HMM:3.1e-31)

6029	ypc700804994.h1	gld-tea(HMM:3.1e-34)
6030	22554_1.R1011	gld-tea(HMM:4.2e-29)
6031	127865_1.R1011	gld-tea(HMM:4.4e-30)
6032	wen700332259.h1	gld-tea(HMM:4.9e-07)
6033	wyr700239376.h1	gld-tea(HMM:5.4e-27)
6034	LIB3088-004-Q1-K1-A4	gld-tea(HMM:5.9e-12)
6035	15271_1.R1011	gld-tea(HMM:6.2e-24)
6036	yyf700349742.h1	gld-tea(HMM:8.3)
6037	117481_1.R1011	gld-tea(HMM:9.1e-36)
6038	12948_1.R1011	hhh(HMM:3.6e-05)
6039	1052_1.R1011	hhh(HMM:3e-08)
6040	1053_1.R1011	hhh(HMM:9.2e-07)
6041	dyk700102440.h1	hist_deacetyl(HMM:0.00015)
6042	uC-zmflmo17050g12b2	hist_deacetyl(HMM:0.00038)
6043	LIB3152-001-Q1-K1-B2	hist_deacetyl(HMM:1.1e-10)
6044	30591_1.R1011	hist_deacetyl(HMM:1.2e-146)
6045	ceu700432474.h1	hist_deacetyl(HMM:1.3)
6046	187025_1.R1011	hist_deacetyl(HMM:1.8e-10)
6047	200741_1.R1011	hist_deacetyl(HMM:1e-10)
6048	6786_1.R1011	hist_deacetyl(HMM:1e-37)
6049	1011_1.R1011	hist_deacetyl(HMM:2.2e-160)
6050	72749_1.R1011	hist_deacetyl(HMM:2.8e-51)
6051	cyk700047402.fl	hist_deacetyl(HMM:3.5e-15)
6052	rvl700454171.h1	hist_deacetyl(HMM:4.6e-11)
6053	994_1.R1011	hist_deacetyl(HMM:6e-181)
6054	304250_1.R1011	hist_deacetyl(HMM:8.9e-09)
6055	3274_1.R1011	hist_deacetyl(HMM:8.9e-123)
6056	LIB3150-049-Q1-N1-F11	hist_deacetyl(HMM:8e-10)
6057	g4804054	histone(HMM:0.00011)
6058	uwc700151004.h1	histone(HMM:0.00017)
6059	LIB3150-071-P1-N1-E2	histone(HMM:0.00023)
6060	xyt700343992.h1	histone(HMM:0.00027)
6061	LIB3279-011-P1-K1-F2	histone(HMM:0.00035)
6062	LIB3079-035-Q1-K1-D5	histone(HMM:0.00045)
6063	LIB3070-005-Q1-N1-G9	histone(HMM:0.0005)
6064	LIB3059-017-Q1-K1-H2	histone(HMM:0.00058)
6065	LIB3067-018-Q1-K1-F2	histone(HMM:0.00065)
6066	286579_1.R1011	histone(HMM:0.00069)
6067	LIB3150-075-P1-N1-G7	histone(HMM:0.00077)
6068	cat700021823.r1	histone(HMM:0.00083)
6069	865_21.R1011	histone(HMM:0.00084)
6070	yyf700348078.h1	histone(HMM:0.00086)
6071	LIB3150-083-P2-N2-D11	histone(HMM:0.00093)
6072	292487_1.R1011	histone(HMM:0.00099)
6073	cat700020406.r1	histone(HMM:0.0013)
6074	LIB3068-026-Q1-K1-F8	histone(HMM:0.0014)
6075	cjh700195179.h1	histone(HMM:0.0014)
6076	uC-zmflb73177e01b1	histone(HMM:0.002)
6077	g5688683	histone(HMM:0.0024)
6078	dyk700104373.h1	histone(HMM:0.0026)
6079	LIB3070-010-Q1-N1-H2	histone(HMM:0.003)
6080	LIB3150-029-Q1-N1-H11	histone(HMM:0.0032)
6081	LIB3088-050-Q1-K1-G10	histone(HMM:0.0035)
6082	wen700333394.h1	histone(HMM:0.0035)

6083	LIB3150-078-P2-N2-D8	histone(HMM:0.0037)
6084	pmx700085984.h1	histone(HMM:0.0041)
6085	LIB3150-002-Q1-N1-C10	histone(HMM:0.0045)
6086	LIB3067-004-Q1-K1-G12	histone(HMM:0.005)
6087	ymt700219717.h1	histone(HMM:0.005)
6088	g4630548	histone(HMM:0.0052)
6089	yyf700349869.h1	histone(HMM:0.0055)
6090	pmx700088257.h1	histone(HMM:0.007)
6091	cyk700052421.fl	histone(HMM:0.0074)
6092	xjt700094901.h1	histone(HMM:0.008)
6093	LIB3116-028-P1-K1-C8	histone(HMM:0.0091)
6094	LIB3088-041-Q1-K1-D8	histone(HMM:0.0097)
6095	LIB3078-019-Q1-K1-H11	histone(HMM:0.016)
6096	gwl700612741.h1	histone(HMM:0.016)
6097	LIB3088-044-Q1-K1-D2	histone(HMM:0.017)
6098	LIB3279-054-P1-K1-D6	histone(HMM:0.017)
6099	LIB3279-055-P1-K1-D2	histone(HMM:0.017)
6100	LIB3150-050-Q1-N1-E6	histone(HMM:0.018)
6101	LIB3158-017-Q1-K1-G9	histone(HMM:0.018)
6102	LIB3088-044-Q1-K1-B10	histone(HMM:0.02)
6103	rvt700553369.h1	histone(HMM:0.022)
6104	uC-zmflb73032h09b1	histone(HMM:0.022)
6105	338_9.R1011	histone(HMM:0.024)
6106	95_13.R1011	histone(HMM:0.025)
6107	LIB3070-014-Q1-N1-C4	histone(HMM:0.028)
6108	LIB148-064-Q1-E1-B9	histone(HMM:0.029)
6109	cat700019176.r1	histone(HMM:0.031)
6110	95_12.R1011	histone(HMM:0.033)
6111	nbm700477309.h1	histone(HMM:0.034)
6112	LIB3137-050-Q1-K1-B10	histone(HMM:0.037)
6113	cat700019288.r1	histone(HMM:0.042)
6114	pmx700089077.h1	histone(HMM:0.056)
6115	LIB84-022-Q1-E1-D1	histone(HMM:0.057)
6116	xmt700257966.h1	histone(HMM:0.062)
6117	LIB3078-038-Q1-K1-B2	histone(HMM:0.072)
6118	LIB143-057-Q1-E1-D9	histone(HMM:0.074)
6119	LIB3279-014-P1-K1-D8	histone(HMM:0.078)
6120	ckd700461156.h1	histone(HMM:0.078)
6121	95_9.R1011	histone(HMM:0.1)
6122	vux700158357.h1	histone(HMM:0.1)
6123	xjt700094748.h1	histone(HMM:0.1)
6124	cat700020560.r1	histone(HMM:0.11)
6125	dyk700103145.h1	histone(HMM:0.12)
6126	LIB3067-008-Q1-K1-H9	histone(HMM:0.13)
6127	wen700333417.h1	histone(HMM:0.14)
6128	95_22.R1011	histone(HMM:0.17)
6129	LIB3076-019-Q1-K1-A2	histone(HMM:0.17)
6130	LIB3150-081-P1-N1-G2	histone(HMM:0.2)
6131	95_17.R1011	histone(HMM:0.27)
6132	LIB3059-054-Q1-K1-B5	histone(HMM:0.3)
6133	qmh700027751.fl	histone(HMM:0.31)
6134	666_1.R1011	histone(HMM:0.37)
6135	LIB3279-011-P1-K1-H6	histone(HMM:0.4)
6136	LIB3150-043-Q1-N1-C10	histone(HMM:0.49)

6137	LIB3070-004-Q1-N1-G12	histone(HMM:0.5)
6138	LIB3088-044-Q1-K1-A3	histone(HMM:0.85)
6139	95_23.R1011	histone(HMM:0.93)
6140	LIB3088-011-Q1-K1-G7	histone(HMM:0.98)
6141	xyt700346501.h1	histone(HMM:0.99)
6142	757_37.R1011	histone(HMM:1.1)
6143	ydl700405355.h1	histone(HMM:1.1e-05)
6144	LIB3067-056-Q1-K1-F12	histone(HMM:1.1e-07)
6145	LIB3150-054-Q1-N1-G11	histone(HMM:1.1e-16)
6146	yyf700349182.h1	histone(HMM:1.1e-16)
6147	LIB3088-042-Q1-K1-B9	histone(HMM:1.1e-20)
6148	LIB3150-032-Q1-N1-G3	histone(HMM:1.1e-30)
6149	g5268737	histone(HMM:1.1e-37)
6150	286749_1.R1011	histone(HMM:1.1e-42)
6151	757_11.R1011	histone(HMM:1.1e-47)
6152	LIB3279-005-P1-K1-B7	histone(HMM:1.2e-05)
6153	xyt700343350.h1	histone(HMM:1.2e-08)
6154	rvl700454901.h1	histone(HMM:1.2e-11)
6155	LIB3070-004-Q1-N1-E3	histone(HMM:1.2e-13)
6156	g3341056	histone(HMM:1.2e-13)
6157	LIB3150-052-Q1-N1-B2	histone(HMM:1.2e-21)
6158	865_3.R1011	histone(HMM:1.2e-51)
6159	pmx700085523.h1	histone(HMM:1.3e-06)
6160	wyr700244484.h1	histone(HMM:1.3e-06)
6161	hvj700619851.h1	histone(HMM:1.3e-08)
6162	LIB3076-046-Q1-K1-H11	histone(HMM:1.3e-11)
6163	LIB3180-038-P2-M2-C6	histone(HMM:1.3e-14)
6164	uC-zmflb73163d03a1	histone(HMM:1.3e-26)
6165	757_6.R1011	histone(HMM:1.3e-45)
6166	uC-zmflb73359g07a2	histone(HMM:1.4e-06)
6167	uwc700153036.h1	histone(HMM:1.4e-07)
6168	mwy700442376.h1	histone(HMM:1.4e-08)
6169	LIB3137-005-Q1-K1-B9	histone(HMM:1.4e-11)
6170	uC-zmroteosinte099g08b2	histone(HMM:1.4e-16)
6171	1672_2.R1011	histone(HMM:1.4e-43)
6172	LIB3076-042-Q1-K1-H11	histone(HMM:1.5e-10)
6173	g3341140	histone(HMM:1.5e-24)
6174	338_13.R1011	histone(HMM:1.5e-34)
6175	16775_1.R1011	histone(HMM:1.5e-49)
6176	25582_1.R1011	histone(HMM:1.5e-49)
6177	LIB3150-108-P2-K1-D1	histone(HMM:1.6e-08)
6178	LIB3067-019-Q1-K1-C10	"histone(HMM:1.6e-10),zf-nf-x1(HMM:1.1)"
6179	pmx700082311.h1	histone(HMM:1.6e-11)
6180	LIB3070-012-Q1-N1-A8	histone(HMM:1.6e-18)
6181	757_8.R1011	histone(HMM:1.6e-46)
6182	865_1.R1011	histone(HMM:1.6e-52)
6183	LIB143-037-Q1-E1-H1	histone(HMM:1.7e-05)
6184	LIB3150-040-Q1-N1-A10	histone(HMM:1.7e-05)
6185	ckd700461256.h1	histone(HMM:1.7e-05)
6186	LIB3156-011-Q1-K1-C2	histone(HMM:1.7e-06)
6187	41834_1.R1011	histone(HMM:1.7e-07)
6188	LIB3150-064-P1-N1-A5	histone(HMM:1.7e-17)
6189	LIB3150-035-Q1-N1-E2	histone(HMM:1.7e-30)

6190	uC-zmroteosinte051e09b2	histone(HMM:1.7e-46)
6191	757_3.R1011	histone(HMM:1.7e-47)
6192	xmt700256940.h1	histone(HMM:1.8e-06)
6193	yyf700352343.h1	histone(HMM:1.8e-14)
6194	uC-zmflb73306e04b1	histone(HMM:1.8e-18)
6195	865_10.R1011	histone(HMM:1.8e-26)
6196	uC-zmroteosinte059e07b1	histone(HMM:1.8e-32)
6197	757_32.R1011	histone(HMM:1.9e-06)
6198	pmx700083528.h1	histone(HMM:1.9e-06)
6199	LIB3059-042-Q1-K1-F2	histone(HMM:1.9e-08)
6200	LIB3067-014-Q1-K1-D10	histone(HMM:1.9e-08)
6201	cat700021164.r1	histone(HMM:1.9e-08)
6202	ymt700224008.h1	histone(HMM:1.9e-13)
6203	LIB3150-016-Q1-N1-G3	histone(HMM:1.9e-14)
6204	LIB3279-011-P1-K1-H2	histone(HMM:1.9e-16)
6205	hvj700618938.h1	histone(HMM:1.9e-17)
6206	g3341036	histone(HMM:1.9e-41)
6207	g5268911	histone(HMM:1.9e-46)
6208	xsy700214625.h1	histone(HMM:1e-05)
6209	xsy700214976.h1	histone(HMM:1e-07)
6210	338_17.R1011	histone(HMM:1e-10)
6211	LIB3088-046-Q1-K1-H2	histone(HMM:1e-11)
6212	338_12.R1011	histone(HMM:1e-29)
6213	LIB3279-010-P1-K1-E6	histone(HMM:1e-32)
6214	15994_1.R1011	histone(HMM:1e-49)
6215	wyr700235659.h1	histone(HMM:2.1)
6216	865_17.R1011	histone(HMM:2.1e-10)
6217	LIB3062-034-Q1-K1-D11	histone(HMM:2.1e-10)
6218	338_2.R1011	histone(HMM:2.1e-12)
6219	338_4.R1011	histone(HMM:2.1e-15)
6220	757_46.R1011	histone(HMM:2.1e-16)
6221	95_6.R1011	histone(HMM:2.1e-18)
6222	g3341043	histone(HMM:2.1e-37)
6223	865_6.R1011	histone(HMM:2.1e-51)
6224	LIB3150-038-Q1-N1-C5	histone(HMM:2.2e-07)
6225	xmt700257310.h1	histone(HMM:2.2e-07)
6226	xyt700344851.h1	histone(HMM:2.2e-07)
6227	7649_2.R1011	histone(HMM:2.2e-09)
6228	LIB3076-024-Q1-K1-B7	histone(HMM:2.2e-43)
6229	1792_2.R1011	histone(HMM:2.2e-46)
6230	757_17.R1011	histone(HMM:2.2e-48)
6231	uer700584138.h1	histone(HMM:2.3e-07)
6232	LIB3150-052-Q1-N1-G11	histone(HMM:2.3e-12)
6233	757_42.R1011	histone(HMM:2.3e-40)
6234	qmh700029402.f1	histone(HMM:2.4)
6235	LIB3069-011-Q1-K1-F6	histone(HMM:2.4e-05)
6236	LIB3076-005-Q1-K1-D5	histone(HMM:2.4e-07)
6237	LIB3079-036-Q1-K1-D4	histone(HMM:2.4e-10)
6238	g4776119	histone(HMM:2.4e-14)
6239	LIB3137-005-Q1-K1-G10	histone(HMM:2.4e-19)
6240	865_4.R1011	histone(HMM:2.4e-50)
6241	757_20.R1011	histone(HMM:2.5e-07)
6242	LIB3067-042-Q1-K1-B11	histone(HMM:2.5e-17)
6243	LIB3150-107-P1-N1-B4	histone(HMM:2.5e-18)

6244	LIB3137-016-Q1-K1-H12	histone(HMM:2.6)
6245	2026_7.R1011	histone(HMM:2.6e-10)
6246	yyf700347416.h1	histone(HMM:2.6e-20)
6247	1792_1.R1011	histone(HMM:2.6e-46)
6248	338_3.R1011	histone(HMM:2.6e-46)
6249	338_7.R1011	histone(HMM:2.6e-46)
6250	8267_1.R1011	histone(HMM:2.6e-46)
6251	LIB3153-005-Q1-K1-H1	histone(HMM:2.7e-10)
6252	LIB143-049-Q1-E1-H1	histone(HMM:2.7e-11)
6253	LIB3088-049-Q1-K1-A5	histone(HMM:2.7e-14)
6254	338_1.R1011	histone(HMM:2.7e-45)
6255	16775_2.R1011	histone(HMM:2.7e-49)
6256	LIB3078-052-Q1-K1-H1	histone(HMM:2.8e-09)
6257	LIB3150-013-Q1-N1-B10	histone(HMM:2.8e-09)
6258	LIB36-021-Q1-E1-G2	histone(HMM:2.8e-09)
6259	LIB3067-013-Q1-K1-B1	histone(HMM:2.8e-10)
6260	LIB3069-049-Q1-K1-E1	histone(HMM:2.8e-13)
6261	757_15.R1011	histone(HMM:2.8e-14)
6262	LIB3137-005-Q1-K1-A12	histone(HMM:2.8e-23)
6263	757_2.R1011	histone(HMM:2.8e-46)
6264	LIB3279-059-P1-K1-H8	histone(HMM:2.9e-06)
6265	cat700017931.r1	histone(HMM:2e-06)
6266	LIB3067-001-Q1-K1-A4	histone(HMM:2e-11)
6267	pwr700449415.h1	histone(HMM:2e-11)
6268	uC-zmflB73006d03b1	histone(HMM:2e-20)
6269	wty700164347.h1	histone(HMM:3.1e-09)
6270	dyk700105350.h1	histone(HMM:3.2e-06)
6271	cat700020669.r1	histone(HMM:3.2e-07)
6272	757_44.R1011	histone(HMM:3.2e-28)
6273	865_2.R1011	histone(HMM:3.2e-51)
6274	865_7.R1011	histone(HMM:3.2e-51)
6275	865_8.R1011	histone(HMM:3.2e-51)
6276	uwc700150016.h1	histone(HMM:3.3e-06)
6277	ceu700426183.h1	histone(HMM:3.3e-10)
6278	865_23.R1011	histone(HMM:3.3e-17)
6279	g5058937	histone(HMM:3.4e-22)
6280	6594_1.R1011	histone(HMM:3.4e-49)
6281	LIB3076-004-Q1-K1-D1	"histone(HMM:3.4e-49),phd(HMM:0.11)"
6282	15342_1.R1011	histone(HMM:3.5e-15)
6283	g5713880	histone(HMM:3.5e-24)
6284	757_5.R1011	histone(HMM:3.5e-46)
6285	338_26.R1011	histone(HMM:3.6e-08)
6286	LIB3079-053-Q1-K1-D2	histone(HMM:3.6e-14)
6287	95_10.R1011	histone(HMM:3.6e-15)
6288	757_36.R1011	histone(HMM:3.6e-25)
6289	60399_1.R1011	histone(HMM:3.7e-11)
6290	uC-zmflb73018h09b1	histone(HMM:3.7e-45)
6291	757_14.R1011	histone(HMM:3.7e-47)
6292	tzu700206634.h1	histone(HMM:3.8e-07)
6293	pwr700453322.h1	histone(HMM:3.8e-11)
6294	ntr700073403.h1	histone(HMM:3.8e-14)
6295	757_25.R1011	histone(HMM:3.8e-41)
6296	666_5.R1011	histone(HMM:3.8e-44)

6297	LIB3088-009-Q1-K1-G8	histone(HMM:3.9e-12)
6298	LIB3279-013-P1-K1-H3	histone(HMM:3.9e-23)
6299	LIB3070-014-Q1-N1-C11	histone(HMM:3e-07)
6300	95_8.R1011	histone(HMM:4.1e-18)
6301	LIB3150-075-P1-N1-F7	histone(HMM:4.2e-09)
6302	LIB3059-047-Q1-K1-H1	histone(HMM:4.2e-17)
6303	uC-zmflb73193g04b1	histone(HMM:4.2e-29)
6304	757_16.R1011	histone(HMM:4.3e-47)
6305	zla700380212.h1	histone(HMM:4.4)
6306	dyk700106733.h1	histone(HMM:4.4e-06)
6307	LIB3088-050-Q1-K1-C2	histone(HMM:4.4e-07)
6308	vux700160627.h1	histone(HMM:4.4e-11)
6309	865_16.R1011	histone(HMM:4.4e-15)
6310	ntr700074528.h1	histone(HMM:4.5e-37)
6311	g5268696	histone(HMM:4.5e-40)
6312	757_12.R1011	histone(HMM:4.5e-46)
6313	vux700158183.h1	histone(HMM:4.6e-05)
6314	uC-zmflb73025e02b2	histone(HMM:4.6e-11)
6315	LIB3153-005-Q1-K1-B5	histone(HMM:4.7e-05)
6316	yyf700349642.h1	histone(HMM:4.7e-07)
6317	qmh700028985.fl	histone(HMM:4.7e-11)
6318	757_7.R1011	histone(HMM:4.7e-46)
6319	uC-zmflmo170114e10b1	histone(HMM:4.8e-44)
6320	95_11.R1011	histone(HMM:4.9e-08)
6321	LIB3070-005-Q1-N1-B3	histone(HMM:4.9e-13)
6322	LIB3076-044-Q1-K1-G3	histone(HMM:4e-05)
6323	338_16.R1011	histone(HMM:4e-06)
6324	xmt700261612.h1	histone(HMM:4e-06)
6325	LIB3088-003-Q1-K1-A3	histone(HMM:4e-18)
6326	uC-zmflmo17336b11b1	histone(HMM:4e-34)
6327	865_9.R1011	histone(HMM:4e-42)
6328	1672_1.R1011	histone(HMM:4e-45)
6329	wty700172957.h1	histone(HMM:5.1e-07)
6330	g3341197	histone(HMM:5.1e-08)
6331	865_12.R1011	histone(HMM:5.1e-23)
6332	354331_1.R1011	histone(HMM:5.2e-05)
6333	LIB148-002-Q1-E1-B12	histone(HMM:5.2e-08)
6334	LIB3076-021-Q1-K1-F8	histone(HMM:5.2e-37)
6335	pmx700088709.h1	histone(HMM:5.3e-07)
6336	xyt700346422.h1	histone(HMM:5.3e-13)
6337	865_14.R1011	histone(HMM:5.3e-49)
6338	LIB3180-060-P2-M1-H6	histone(HMM:5.6e-06)
6339	LIB3279-051-P1-K1-C7	histone(HMM:5.6e-06)
6340	hvj700621760.h1	histone(HMM:5.6e-06)
6341	LIB3078-007-Q1-K1-F11	histone(HMM:5.6e-11)
6342	gwl700613664.h1	histone(HMM:5.6e-12)
6343	uC-zmflb73178a01b1	histone(HMM:5.6e-14)
6344	uC-zmroteosinte102h01b2	histone(HMM:5.6e-21)
6345	cyk700051888.fl	histone(HMM:5.7e-06)
6346	757_29.R1011	histone(HMM:5.7e-11)
6347	g3340926	histone(HMM:5.8e-05)
6348	tfd700572124.h1	histone(HMM:5.8e-11)
6349	kem700610759.h1	histone(HMM:5.9e-10)
6350	zla700379678.h1	histone(HMM:5.9e-11)

6351	LIB3150-112-P2-K1-C2	histone(HMM:5e-07)
6352	g3341037	histone(HMM:5e-20)
6353	g3341089	histone(HMM:6.1e-07)
6354	tfd700569151.h1	histone(HMM:6.1e-12)
6355	LIB143-063-Q1-E1-D12	histone(HMM:6.1e-16)
6356	xsy700214944.h1	histone(HMM:6.3e-06)
6357	zla700380613.h1	histone(HMM:6.3e-11)
6358	LIB3180-019-P2-M1-B1	histone(HMM:6.3e-17)
6359	757_40.R1011	histone(HMM:6.4e-21)
6360	gwl700618137.h1	histone(HMM:6.5e-07)
6361	LIB3116-025-P1-K2-F8	histone(HMM:6.6)
6362	LIB3088-036-Q1-K1-H8	histone(HMM:6.6e-06)
6363	LIB3069-003-Q1-K1-G4	histone(HMM:6.6e-10)
6364	g3341079	histone(HMM:6.6e-35)
6365	g548036	histone(HMM:6.7e-14)
6366	757_18.R1011	histone(HMM:6.7e-34)
6367	LIB3070-010-Q1-N1-G7	histone(HMM:6.8e-06)
6368	cat700016831.r2	histone(HMM:6.9e-15)
6369	uC-zmroteosinte030d12b1	histone(HMM:6.9e-16)
6370	LIB3059-049-Q1-K1-E4	histone(HMM:6.9e-29)
6371	LIB3076-029-Q1-K1-F10	histone(HMM:6.9e-30)
6372	g3341041	histone(HMM:6.9e-45)
6373	LIB3088-011-Q1-K1-D5	histone(HMM:7.1e-09)
6374	95_21.R1011	histone(HMM:7.2)
6375	757_19.R1011	histone(HMM:7.2e-42)
6376	338_10.R1011	histone(HMM:7.3e-41)
6377	338_22.R1011	histone(HMM:7.3e-44)
6378	1672_5.R1011	histone(HMM:7.4e-12)
6379	LIB3069-035-Q1-K1-E2	histone(HMM:7.5)
6380	338_8.R1011	histone(HMM:7.5e-09)
6381	LIB143-046-Q1-E1-C10	histone(HMM:7.6e-13)
6382	338_6.R1011	histone(HMM:7.6e-46)
6383	LIB3076-004-Q1-K1-A11	histone(HMM:7.9e-06)
6384	wyr700238913.h1	histone(HMM:7.9e-07)
6385	hvj700619294.h1	histone(HMM:7.9e-08)
6386	338_23.R1011	histone(HMM:7.9e-44)
6387	15544_1.R1011	histone(HMM:7e-20)
6388	g5650399	histone(HMM:8.1e-15)
6389	1166_2.R1011	histone(HMM:8.1e-51)
6390	1677_1.R1011	histone(HMM:8.1e-51)
6391	qmh700027322.fl	histone(HMM:8.3e-07)
6392	757_1.R1011	histone(HMM:8.3e-47)
6393	uC-zmflB73112h02b2	histone(HMM:8.4e-08)
6394	uC-zmflmo17297e08b1	histone(HMM:8.4e-37)
6395	LIB3137-005-Q1-K1-G9	histone(HMM:8.6e-07)
6396	pmx700088408.h1	histone(HMM:8.6e-07)
6397	pmx700086025.h1	histone(HMM:8.7e-05)
6398	1672_8.R1011	histone(HMM:8.7e-09)
6399	LIB3076-018-Q1-K1-E6	histone(HMM:8.7e-11)
6400	LIB3067-046-Q1-K1-H9	histone(HMM:8.7e-12)
6401	865_5.R1011	histone(HMM:8.7e-52)
6402	LIB3062-027-Q1-K1-E12	histone(HMM:8.9e-05)
6403	LIB3069-008-Q1-K1-A11	histone(HMM:8.9e-09)
6404	5857_1.R1011	histone(HMM:8e-07)

6405	uC-zmrob73075d01b1	histone(HMM:8e-14)
6406	LIB3116-025-P1-K1-F8	histone(HMM:9.3)
6407	LIB3069-048-Q1-K1-A1	histone(HMM:9.3e-33)
6408	865_13.R1011	histone(HMM:9.6e-13)
6409	LIB3279-004-P1-K1-H7	histone(HMM:9.7e-09)
6410	6074_1.R1011	histone(HMM:9.7e-51)
6411	g4572905	histone(HMM:9.8)
6412	LIB3079-041-Q1-K1-C3	histone(HMM:9.8e-09)
6413	338_14.R1011	histone(HMM:9.9e-47)
6414	338_5.R1011	histone(HMM:9.9e-47)
6415	uC-zmflb73028d10b1	histone(HMM:9.9e-47)
6416	uC-zmflb73306e05b1	histone(HMM:9e-09)
6417	tzu700205503.h1	histone(HMM:9e-12)
6418	wty700168638.h1	hlh(HMM:0.00026)
6419	pmx700085722.h1	hlh(HMM:0.00033)
6420	7914_1.R1011	hlh(HMM:0.0056)
6421	9442_2.R1011	hlh(HMM:0.013)
6422	uC-zmflb73012g11b1	hlh(HMM:0.013)
6423	245026_1.R1011	hlh(HMM:0.02)
6424	40548_1.R1011	hlh(HMM:0.034)
6425	80197_1.R1011	hlh(HMM:0.036)
6426	133275_1.R1011	hlh(HMM:0.041)
6427	fdz701165182.h1	hlh(HMM:0.046)
6428	133245_1.R1011	hlh(HMM:0.048)
6429	wyr700237155.h1	hlh(HMM:0.049)
6430	14440_1.R1011	hlh(HMM:0.052)
6431	214046_1.R1011	hlh(HMM:0.058)
6432	10605_1.R1011	hlh(HMM:0.063)
6433	106370_1.R1011	hlh(HMM:0.063)
6434	cat700021841.r1	hlh(HMM:0.076)
6435	uC-zmflB73002a04b1	hlh(HMM:0.076)
6436	104405_1.R1011	hlh(HMM:0.084)
6437	78856_2.R1011	hlh(HMM:0.086)
6438	qmh700028639.fl	hlh(HMM:0.089)
6439	LIB3067-055-Q1-K1-E3	hlh(HMM:0.099)
6440	g4887525	hlh(HMM:0.11)
6441	fwa700100255.h1	hlh(HMM:0.31)
6442	nbm700468724.h1	hlh(HMM:0.69)
6443	uC-zmflb73099d02b1	hlh(HMM:0.74)
6444	155010_1.R1011	hlh(HMM:1.1e-12)
6445	11328_1.R1011	hlh(HMM:1.5e-07)
6446	uC-zmflmo17131c08a1	hlh(HMM:1.5e-12)
6447	9274_1.R1011	hlh(HMM:1.7e-09)
6448	LIB3156-002-Q1-K1-A12	hlh(HMM:1.8)
6449	246596_1.R1011	hlh(HMM:1.9e-09)
6450	42580_1.R1011	hlh(HMM:1.9e-12)
6451	11613_1.R1011	hlh(HMM:1e-05)
6452	47991_1.R1011	hlh(HMM:1e-09)
6453	xyt700342458.h1	hlh(HMM:2.1e-06)
6454	324352_1.R1011	hlh(HMM:2.1e-09)
6455	tzu700206189.h1	hlh(HMM:2.1e-13)
6456	45993_1.R1011	hlh(HMM:2e-16)
6457	277222_1.R1011	hlh(HMM:3.3e-09)
6458	165141_1.R1011	hlh(HMM:3.4e-10)

6459	593_1.R1011	hlh(HMM:3.6e-14)
6460	593_2.R1011	hlh(HMM:3.6e-14)
6461	1032_1.R1011	hlh(HMM:5.2e-15)
6462	LIB3088-037-Q1-K1-E11	hlh(HMM:5.9e-05)
6463	g22194	hlh(HMM:6.3e-16)
6464	5983_1.R1011	hlh(HMM:6.8e-12)
6465	158887_1.R1011	hlh(HMM:6.9e-11)
6466	68023_1.R1011	hlh(HMM:7.7e-09)
6467	LIB3069-006-Q1-K1-C11	hlh(HMM:8.5e-16)
6468	22182_1.R1011	hlh(HMM:8.9e-06)
6469	6061_1.R1011	hlh(HMM:9.4e-07)
6470	uwc700155775.h1	hlh(HMM:9.5e-06)
6471	104151_1.R1011	hlh(HMM:9.9e-09)
6472	LIB3150-079-P1-N1-E3	hlh_e2f(1.4e-30)
6473	LIB3076-014-Q1-K1-C4	hlh_e2f(7.3e-06)
6474	LIB143-063-Q1-E1-G12	hmg_box(HMM:0.0017)
6475	xjt700092660.h1	hmg_box(HMM:0.0018)
6476	xsy700213026.h1	hmg_box(HMM:0.0018)
6477	uC-zmflmol7218b08a1	hmg_box(HMM:0.0019)
6478	gct701170728.h1	hmg_box(HMM:0.013)
6479	1116_2.R1011	hmg_box(HMM:0.02)
6480	zuv700354730.h1	hmg_box(HMM:0.089)
6481	LIB3059-029-Q1-K1-B11	hmg_box(HMM:0.15)
6482	uwc700155406.h1	hmg_box(HMM:0.23)
6483	hvj700620934.h1	hmg_box(HMM:0.54)
6484	52173_1.R1011	hmg_box(HMM:0.59)
6485	16250_1.R1011	hmg_box(HMM:1.2e-24)
6486	34113_1.R1011	hmg_box(HMM:1.4e-06)
6487	rvl700457875.h1	hmg_box(HMM:1.5e-15)
6488	201269_2.R1011	hmg_box(HMM:1.5e-19)
6489	762_3.R1011	hmg_box(HMM:1.6e-18)
6490	2748_1.R1011	hmg_box(HMM:1.8e-18)
6491	762_1.R1011	hmg_box(HMM:1.9e-29)
6492	LIB3150-071-P1-N1-H11	hmg_box(HMM:2.1e-07)
6493	34113_2.R1011	hmg_box(HMM:2.1e-20)
6494	LIB3151-003-Q1-K1-E11	hmg_box(HMM:2.6e-06)
6495	33323_1.R1011	hmg_box(HMM:2.6e-20)
6496	8194_1.R1011	hmg_box(HMM:3.2e-26)
6497	uC-zmflb73040a04b1	hmg_box(HMM:3e-27)
6498	uC-zmroteosinte068b05b1	hmg_box(HMM:4.3e-12)
6499	yyf700348989.h1	hmg_box(HMM:4.4e-28)
6500	rvt700552318.h1	hmg_box(HMM:4.6)
6501	763_1.R1011	hmg_box(HMM:5.1e-30)
6502	xyt700346708.h1	hmg_box(HMM:5.1e-30)
6503	760_4.R1011	hmg_box(HMM:5.6e-29)
6504	LIB3076-007-Q1-K1-H11	hmg_box(HMM:6.1e-21)
6505	763_5.R1011	hmg_box(HMM:6.5e-27)
6506	LIB3067-045-Q1-K1-C4	hmg_box(HMM:6.9e-24)
6507	762_4.R1011	hmg_box(HMM:7.8e-27)
6508	1116_1.R1011	hmg_box(HMM:8.1e-13)
6509	760_1.R1011	hmg_box(HMM:8.5e-29)
6510	201269_1.R1011	hmg_box(HMM:8.6e-10)
6511	388_11.R1011	homeobox(HMM:0.00014)
6512	780_1.R1011	"homeobox(HMM:0.00043),hom

		eobox_knox3(1.5e-34)"
6513	33684_1.R1011	"homeobox(HMM:0.00058),homeobox_knox3(5.6e-10)"
6514	135329_1.R1011	"homeobox(HMM:0.001),homeobox_knox3(4.6e-34)"
6515	206382_1.R1011	"homeobox(HMM:0.0019),homeobox_knox3(1.4e-11),homeobox_mat(0.0002)"
6516	uC-zmflb73084b12b2	"homeobox(HMM:0.0031),homeobox_knox3(5.6e-13)"
6517	175_1.R1011	homeobox(HMM:0.0032)
6518	LIB3066-028-Q1-K1-E9	homeobox(HMM:0.0033)
6519	uC-zmflmol7306a12b1	homeobox(HMM:0.0033)
6520	17_1.R1011	"homeobox(HMM:0.0056),phd(HMM:1.2e-11)"
6521	LIB3137-018-Q1-K1-B10	homeobox(HMM:0.0071)
6522	154608_1.R1011	"homeobox(HMM:0.0081),homeobox_knox3(5.6e-12)"
6523	LIB3067-032-Q1-K1-F8	"homeobox(HMM:0.0085),homeobox_knox3(2.0e-12)"
6524	55031_1.R1011	homeobox(HMM:0.01)
6525	ymt700219170.h1	"homeobox(HMM:0.014),homeobox_knox3(9.3e-13),homeobox_mat(8.1e-05)"
6526	8191_1.R1011	"homeobox(HMM:0.016),homeobox_knox3(2.6e-22)"
6527	uC-zmflmol7364h11a1	"homeobox(HMM:0.017),homeobox_knox3(4.3e-13)"
6528	62412_1.R1011	"homeobox(HMM:0.017),homeobox_knox3(5.9e-12)"
6529	93311_1.R1011	"homeobox(HMM:0.022),homeobox_knox3(3.2e-22)"
6530	wyr700241308.h1	"homeobox(HMM:0.031),homeobox_knox3(9.2e-08)"
6531	69814_2.R1011	homeobox(HMM:0.062)
6532	7310_1.R1011	"homeobox(HMM:0.094),homeobox_knox3(3.5e-09)"
6533	25970_1.R1011	"homeobox(HMM:0.1),homeobox_knox3(2.7e-20)"
6534	LIB3066-043-Q1-K1-D10	homeobox(HMM:0.26)
6535	uC-zmflmol7002e04b1	homeobox(HMM:0.29)
6536	uC-zmflb73252d04b3	homeobox(HMM:0.29)
6537	LIB3062-052-Q1-K1-B9	homeobox(HMM:1)
6538	388_3.R1011	homeobox(HMM:1.4e-19)
6539	388_2.R1011	homeobox(HMM:1.4e-20)
6540	fC-zmfl700549125f3	homeobox(HMM:1.5)
6541	128072_1.R1011	homeobox(HMM:1.7e-18)
6542	388_4.R1011	homeobox(HMM:1.8e-17)
6543	LIB3136-018-Q1-K1-F8	homeobox(HMM:1.9)
6544	766_2.R1011	"homeobox(HMM:1.9e-12),phd(HMM:2.7e-15)"
6545	uC-zmflB73007b08b1	homeobox(HMM:1.9e-18)
6546	388_1.R1011	homeobox(HMM:1.9e-19)
6547	1067_1.R1011	"homeobox(HMM:2.4e-

6595	42794_1.R1011	iaa(HMM:0.00071)
6596	uC-zmflmo17165a04b1	iaa(HMM:0.00097)
6597	clt700042216.fl	iaa(HMM:0.0013)
6598	287224_1.R1011	iaa(HMM:0.0019)
6599	zuv700352703.h1	iaa(HMM:0.0019)
6600	60067_2.R1011	iaa(HMM:0.002)
6601	LIB3279-055-P1-K1-A1	iaa(HMM:0.0021)
6602	LIB3067-052-Q1-K1-G7	iaa(HMM:0.0022)
6603	uC-zmflb73301e09a1	iaa(HMM:0.0023)
6604	uC-zmroteosinte076h10b2	iaa(HMM:0.0025)
6605	90938_2.R1011	iaa(HMM:0.0042)
6606	uC-zmroteosinte058a11b2	iaa(HMM:0.0046)
6607	27519_1.R1011	iaa(HMM:0.0048)
6608	pwr700450469.h1	iaa(HMM:0.0048)
6609	uC-zmromo17026d01a1	iaa(HMM:0.0073)
6610	qmh700029447.fl	iaa(HMM:0.0079)
6611	89902_1.R1011	iaa(HMM:0.0086)
6612	dyk700102340.h1	iaa(HMM:0.014)
6613	273602_2.R1011	iaa(HMM:0.041)
6614	LIB3062-009-Q1-K1-H9	iaa(HMM:0.048)
6615	LIB3156-001-Q1-K1-D9	iaa(HMM:0.06)
6616	nwy700445770.h1	iaa(HMM:0.067)
6617	xmt700262053.h1	iaa(HMM:0.43)
6618	244457_1.R1011	iaa(HMM:1.1)
6619	18074_1.R1011	iaa(HMM:1.1e-12)
6620	36723_3.R1011	iaa(HMM:1.1e-37)
6621	5206_2.R1011	iaa(HMM:1.1e-42)
6622	LIB3069-032-Q1-K1-B5	iaa(HMM:1.2e-06)
6623	18565_1.R1011	iaa(HMM:1.2e-35)
6624	18565_2.R1011	iaa(HMM:1.3e-08)
6625	fdz701161796.h1	iaa(HMM:1.3e-19)
6626	165547_1.R1011	iaa(HMM:1.4)
6627	17862_2.R1011	iaa(HMM:1.4e-40)
6628	10914_1.R1011	iaa(HMM:1.4e-46)
6629	99544_1.R1011	iaa(HMM:1.5e-07)
6630	244546_1.R1011	iaa(HMM:1.5e-43)
6631	wty700172062.h1	iaa(HMM:1.6e-07)
6632	113760_1.R1011	iaa(HMM:1.6e-10)
6633	7217_3.R1011	iaa(HMM:1.8e-25)
6634	43613_3.R1011	iaa(HMM:1.8e-30)
6635	7217_1.R1011	iaa(HMM:1.8e-54)
6636	5423_1.R1011	iaa(HMM:1.9e-06)
6637	63348_1.R1011	iaa(HMM:1.9e-40)
6638	7084_2.R1011	iaa(HMM:2.2e-32)
6639	g4314535	iaa(HMM:2.3e-05)
6640	118813_1.R1011	iaa(HMM:2.5e-05)
6641	fC-zmfl700903946z1	iaa(HMM:2.7e-34)
6642	uC-zmroteosinte030b06b1	iaa(HMM:2.8e-07)
6643	ceu700433713.h1	iaa(HMM:2.8e-29)
6644	126546_1.R1011	iaa(HMM:2e-52)
6645	177164_1.R1011	iaa(HMM:3.2)
6646	2478_12.R1011	iaa(HMM:3.4e-06)
6647	7084_1.R1011	iaa(HMM:3.4e-08)
6648	LIB3067-004-Q1-K1-H5	iaa(HMM:3.4e-21)

6649	dyk700105172.h1	iaa(HMM:3.4e-35)
6650	4794_1.R1011	iaa(HMM:3.5e-36)
6651	39538_1.R1011	iaa(HMM:3.9e-51)
6652	g4647071	iaa(HMM:3e-18)
6653	4943_1.R1011	iaa(HMM:4.1e-40)
6654	pmx700085101.h1	iaa(HMM:4.7e-06)
6655	36723_1.R1011	iaa(HMM:4.7e-17)
6656	LIB3159-016-Q1-K1-H5	iaa(HMM:4.8e-05)
6657	63348_2.R1011	iaa(HMM:5.1e-07)
6658	207353_1.R1011	iaa(HMM:5.1e-09)
6659	44453_1.R1011	iaa(HMM:5.3e-06)
6660	cat700018068.r1	iaa(HMM:5.4e-13)
6661	fdz701160529.h1	iaa(HMM:5.8e-07)
6662	LIB3115-025-P1-K1-G8	iaa(HMM:5.9e-10)
6663	pmx700091218.h1	iaa(HMM:5e-05)
6664	LIB189-028-Q1-E1-C7	iaa(HMM:5e-06)
6665	36723_2.R1011	iaa(HMM:6.4e-08)
6666	wen700335617.h1	iaa(HMM:6.4e-08)
6667	113854_1.R1011	iaa(HMM:6.6e-66)
6668	LIB3070-011-Q1-N1-B9	iaa(HMM:6.8e-06)
6669	6146_3.R1011	iaa(HMM:7.7e-13)
6670	92613_1.R1011	iaa(HMM:7.8e-34)
6671	138145_2.R1011	iaa(HMM:8.8e-08)
6672	LIB3116-025-P1-K1-C6	iaa(HMM:8.9e-09)
6673	uC-zmflmo17297c12b1	iaa(HMM:9.3e-54)
6674	tfd700572494.h1	iaa(HMM:9.6e-10)
6675	qmh700030191.fl	iaa(HMM:9.8e-07)
6676	LIB3116-025-P1-K2-C6	iaa(HMM:9.8e-10)
6677	yyf700348060.h1	ibr(HMM:0.0005)
6678	268028_1.R1011	ibr(HMM:0.015)
6679	180806_1.R1011	ibr(HMM:0.17)
6680	1610_1.R1011	ibr(HMM:1.2e-11)
6681	121748_1.R1011	ibr(HMM:1e-06)
6682	8414_1.R1011	ibr(HMM:2.8e-16)
6683	47794_1.R1011	ibr(HMM:3.6e-06)
6684	19283_1.R1011	ibr(HMM:6.3e-08)
6685	kem700612163.h1	ibr(HMM:6.3e-20)
6686	uC-zmflb73007c10b1	"k-box(HMM:0.00013),srf-tf(HMM:2.8e-32)"
6687	uC-zmflmo17321d12b1	k-box(HMM:0.00052)
6688	uC-zmroteosinte117g06b1	k-box(HMM:0.0014)
6689	uC-zmflb73020c05b1	k-box(HMM:0.0017)
6690	LIB3069-044-Q1-K1-B9	"k-box(HMM:0.0057),srf-tf(HMM:1.4e-36)"
6691	LIB3116-025-P1-K1-B6	k-box(HMM:0.007)
6692	uC-zmflb73148g01b1	k-box(HMM:0.0078)
6693	g4730436	"k-box(HMM:0.0081),srf-tf(HMM:4.7e-35)"
6694	418_1.R1011	"k-box(HMM:0.0092),srf-tf(HMM:1.1e-25)"
6695	LIB3068-025-Q1-K1-D7	k-box(HMM:0.83)
6696	LIB3067-047-Q1-K1-C2	k-box(HMM:1.1e-06)
6697	uC-zmflb73014e12b1	k-box(HMM:1.2e-08)
6698	166_1.R1011	"k-box(HMM:1.2e-08),srf-

6699	CPR6867_700163369_FL	tf(HMM:1.9e-29)"
6700	uC-zmflmo17078c09b1	k-box(HMM:1.3e-10)
6701	166_5.R1011	k-box(HMM:1.3e-23)
6702	uC-zmrob73050c02b1	k-box(HMM:1.4e-06)
6703	122_2.R1011	k-box(HMM:1.6e-05)
6704	uC-zmflb73140b06b1	k-box(HMM:1.6e-22)
6705	113_1.R1011	k-box(HMM:1.7e-13)
		"k-box(HMM:1.7e-42),srf-
		tf(HMM:7.3e-38)"
6706	126_1.R1011	"k-box(HMM:1.9e-05),srf-
		tf(HMM:1.5e-33)"
6707	109_2.R1011	k-box(HMM:1.9e-14)
6708	uC-zmflmo17057c07b1	k-box(HMM:1e-06)
6709	610_2.R1011	"k-box(HMM:1e-34),srf-
		tf(HMM:1e-34)"
6710	109_1.R1011	"k-box(HMM:2.1e-14),srf-
		tf(HMM:4e-32)"
6711	uC-zmflmo17280a06b1	k-box(HMM:2.3e-07)
6712	949_2.R1011	"k-box(HMM:2.4e-38),srf-
		tf(HMM:1.7e-20)"
6713	112_2.R1011	k-box(HMM:2.5e-11)
6714	120_3.R1011	k-box(HMM:2.7e-31)
6715	120_2.R1011	k-box(HMM:2.8e-27)
6716	113_3.R1011	"k-box(HMM:2.8e-38),srf-
		tf(HMM:2.8e-37)"
6717	LIB3059-037-Q1-K1-A3	k-box(HMM:3.2e-30)
6718	611_2.R1011	"k-box(HMM:3.2e-36),srf-
		tf(HMM:3e-36)"
6719	g5268420	"k-box(HMM:3.4e-43),srf-
		tf(HMM:1.3e-11)"
6720	544_1.R1011	"k-box(HMM:3.4e-43),srf-
		tf(HMM:4.3e-38)"
6721	38372_1.R1011	"k-box(HMM:3.5e-05),srf-
		tf(HMM:1.6e-29)"
6722	611_1.R1011	"k-box(HMM:3.5e-38),srf-
		tf(HMM:1.4e-36)"
6723	112_1.R1011	"k-box(HMM:3.6e-19),srf-
		tf(HMM:1.9e-09)"
6724	610_1.R1011	"k-box(HMM:3.7e-35),srf-
		tf(HMM:1.4e-35)"
6725	124_1.R1011	k-box(HMM:3.8e-10)
6726	113_5.R1011	"k-box(HMM:3.9e-40),srf-
		tf(HMM:1.5e-37)"
6727	113_6.R1011	"k-box(HMM:3.9e-40),srf-
		tf(HMM:1.5e-37)"
6728	166_4.R1011	k-box(HMM:4.1e-05)
6729	107_1.R1011	"k-box(HMM:4.4e-12),srf-
		tf(HMM:1.4e-29)"
6730	125_1.R1011	"k-box(HMM:4.7e-33),srf-
		tf(HMM:4.4e-36)"
6731	116_1.R1011	"k-box(HMM:5.4e-26),srf-
		tf(HMM:1e-37)"
6732	113_4.R1011	"k-box(HMM:5.5e-39),srf-
		tf(HMM:1.6e-37)"

6733	123_1.R1011	"k-box(HMM:5.7e-25),srf- tf(HMM:1.9e-35)"
6734	119_1.R1011	k-box(HMM:5.8e-08)
6735	4634_1.R1011	k-box(HMM:5.9e-18)
6736	122_5.R1011	k-box(HMM:6.1e-12)
6737	LIB3116-025-P1-K2-B6	k-box(HMM:6.4e-07)
6738	LIB3067-059-Q1-K1-C6	"k-box(HMM:6.6e-07),srf- tf(HMM:1.3e-16)"
6739	122_1.R1011	"k-box(HMM:6.7e-42),srf- tf(HMM:3e-37)"
6740	LIB3088-010-Q1-K1-D9	k-box(HMM:7.1e-06)
6741	g939780	"k-box(HMM:7.2e-43),srf- tf(HMM:4.9e-37)"
6742	uC-zmflb73119c08a1	k-box(HMM:7.5e-06)
6743	120_1.R1011	k-box(HMM:9.3e-06)
6744	949_1.R1011	"k-box(HMM:9.3e-37),srf- tf(HMM:3.7e-19)"
6745	tfd700571519.h1	keyword:14-3-3(2.0e-29)
6746	nwy700443416.h1	keyword:14-3-3(5.0e-97)
6747	uC-zmflmo17368g12a1	keyword:AGAMOUS(4.0e-21)
6748	rvl700455692.h1	keyword:AGL(1.0e-143)
6749	LIB148-037-Q1-E1-F9	keyword:AGL(1.0e-16)
6750	vux700160175.h1	keyword:AGL(1.0e-19)
6751	286109_1.R1011	keyword:AGL(1.0e-35)
6752	LIB3151-035-Q1-K1-F3	keyword:AGL(1.0e-46)
6753	fwa700097971.h1	keyword:AGL(2.0e-11)
6754	uC-zmroteosintell19g06b2	keyword:AGL(2.0e-15)
6755	uC-zmflmo17141d11a1	keyword:AGL(2.0e-55)
6756	LIB36-011-Q2-E2-C8	keyword:AGL(3.0e-11)
6757	537_1.R1011	keyword:AGL(4.0e-34)
6758	30596_1.R1011	keyword:AGL(4.0e-37)
6759	uC-zmflmo17100c07b1	keyword:AGL(5.0e-18)
6760	10216_1.R1011	keyword:AGL(5.0e-27)
6761	34664_1.R1011	keyword:AGL(5.0e-27)
6762	316540_1.R1011	keyword:AGL(5.0e-30)
6763	xjt700092426.h1	keyword:AGL(6.0e-28)
6764	uC-zmflb73028c07b1	keyword:AGL(7.0e-11)
6765	78620_1.R1011	keyword:AGL(7.0e-25)
6766	64990_1.R1011	keyword:AGL(9.0e-16)
6767	815_1.R1011	"keyword:ap2(0.0e+00),keyword: ap2(0.0e+00),keyword:ap2(0.0e+ 00)"
6768	18_3.R1011	keyword:ap2(1.0e-17)
6769	gct701179408.h1	keyword:ap2(1.0e-18)
6770	nbm700475984.h1	keyword:ap2(1.0e-21)
6771	wen700332115.h1	keyword:ap2(1.0e-29)
6772	nwy700444335.h1	keyword:ap2(2.0e-10)
6773	dyk700104327.h1	keyword:ap2(2.0e-34)
6774	pwr700450563.h1	keyword:ap2(3.0e-26)
6775	xtj700377682.h1	keyword:ap2(4.0e-10)
6776	59339_1.R1011	keyword:ap2(5.0e-21)
6777	LIB3088-049-Q1-K1-F5	keyword:ap2(5.0e-28)
6778	ceu700423863.h1	keyword:ap2(8.0e-25)
6779	883_2.R1011	keyword:ap2(8.0e-26)

6780	152851_1.R1011	keyword:ap2(9.0e-22)
6781	134695_1.R1011	keyword:ap2(9.0e-31)
6782	106029_1.R1011	keyword:ap2(9.0e-44)
6783	qmh700026482.fl	keyword:AT-hook(1.0e-11)
6784	xmt700259589.h1	keyword:AT-hook(1.0e-14)
6785	ymt700220746.h1	keyword:AT-hook(2.0e-31)
6786	yyf700350355.h1	keyword:AT-hook(4.0e-20)
6787	cyk700047678.fl	keyword:bzip(1.0e-08)
6788	LIB3150-098-P1-N1-B9	keyword:bzip(1.0e-14)
6789	pmx700089501.h1	"keyword:bzip(1.0e-30),keyword:homeobox(1.0e-30)"
6790	yyf700350763.h1	keyword:bzip(2.0e-11)
6791	LIB3069-036-Q1-K1-F4	keyword:bzip(2.0e-16)
6792	6878_1.R1011	"keyword:bzip(2.0e-39),keyword:bzip(2.0e-39)"
6793	wty700169467.h1	"keyword:bzip(3.0e-11),keyword:homeobox(3.0e-11)"
6794	35794_1.R1011	keyword:bzip(3.0e-17)
6795	48768_1.R1011	"keyword:bzip(3.0e-22),keyword:dna-binding(3.0e-22)"
6796	82514_1.R1011	keyword:bzip(3.0e-50)
6797	495_5.R1011	keyword:bzip(3.0e-68)
6798	uC-zmflmo17017c06b1	"keyword:bzip(4.0e-11),keyword:dna-binding(4.0e-11)"
6799	48768_3.R1011	"keyword:bzip(4.0e-18),keyword:dna-binding(4.0e-18)"
6800	LIB3076-018-Q1-K1-C8	keyword:bzip(4.0e-27)
6801	uC-zmflb73207a02b1	"keyword:bzip(5.0e-24),keyword:dna-binding(5.0e-24)"
6802	209290_1.R1011	"keyword:bzip(6.0e-40),keyword:homeobox(6.0e-40)"
6803	103822_1.R1011	keyword:bzip(6.0e-60)
6804	uwc700154149.h1	"keyword:bzip(7.0e-09),keyword:dna-binding(7.0e-09)"
6805	194_1.R1011	keyword:bzip(7.0e-25)
6806	117171_1.R1011	keyword:bzip(7.0e-26)
6807	48768_2.R1011	"keyword:bzip(8.0e-25),keyword:dna-binding(8.0e-25)"
6808	LIB3069-002-Q1-K1-G9	keyword:CBF1(3.0e-21)
6809	uC-zmflmo17425b04a1	keyword:CONSTANS(1.0e-10)
6810	12612_1.R1011	keyword:dna-binding(0.0e+00)
6811	176_1.R1011	keyword:dna-binding(0.0e+00)
6812	hbs701185652.h1	keyword:dna-binding(1.0e-10)
6813	47487_3.R1011	keyword:dna-binding(1.0e-11)
6814	uC-zmflmo17209h03a1	keyword:dna-binding(1.0e-11)

6815	548_2.R1011	keyword:dna-binding(1.0e-112)
6816	13235_1.R1011	keyword:dna-binding(1.0e-140)
6817	23216_2.R1011	keyword:dna-binding(1.0e-143)
6818	LIB3066-014-Q1-K1-E3	keyword:dna-binding(1.0e-18)
6819	LIB3067-009-Q1-K1-B7	keyword:dna-binding(1.0e-18)
6820	LIB3062-008-Q1-K1-D8	keyword:dna-binding(1.0e-25)
6821	LIB143-050-Q1-E1-G11	keyword:dna-binding(1.0e-28)
6822	789_2.R1011	keyword:dna-binding(1.0e-41)
6823	LIB3060-024-Q1-K1-H1	keyword:dna-binding(1.0e-43)
6824	LIB3069-035-Q1-K1-E4	keyword:dna-binding(1.0e-53)
6825	8811_1.R1011	keyword:dna-binding(1.0e-67)
6826	cyk700049422.fl	keyword:dna-binding(2.0e-10)
6827	uC-zmflB73045c09b1	keyword:dna-binding(2.0e-10)
6828	LIB3067-042-Q1-K1-A5	keyword:dna-binding(2.0e-11)
6829	16070_1.R1011	keyword:dna-binding(2.0e-12)
6830	264834_1.R1011	keyword:dna-binding(2.0e-12)
6831	132728_1.R1011	keyword:dna-binding(2.0e-14)
6832	uC-zmflb73139c09b1	keyword:dna-binding(2.0e-14)
6833	32823_1.R1011	keyword:dna-binding(2.0e-17)
6834	268459_1.R1011	keyword:dna-binding(2.0e-18)
6835	uC-zmflmo17041a05b1	keyword:dna-binding(2.0e-18)
6836	uC-zmflmo17083d10a1	keyword:dna-binding(2.0e-19)
6837	LIB3158-005-Q1-K1-A5	keyword:dna-binding(2.0e-22)
6838	101450_1.R1011	keyword:dna-binding(2.0e-25)
6839	uC-zmflmo17277c02a1	keyword:dna-binding(2.0e-36)
6840	34238_1.R1011	keyword:dna-binding(2.0e-39)
6841	3286_1.R1011	keyword:dna-binding(2.0e-40)
6842	139431_1.R1011	keyword:dna-binding(2.0e-44)
6843	LIB3078-029-Q1-K1-F11	keyword:dna-binding(2.0e-44)
6844	176_2.R1011	keyword:dna-binding(2.0e-50)
6845	wty700165894.h1	keyword:dna-binding(3.0e-09)
6846	76114_1.R1011	keyword:dna-binding(3.0e-10)
6847	LIB3150-057-Q1-N1-B9	keyword:dna-binding(3.0e-11)
6848	94901_1.R1011	keyword:dna-binding(3.0e-15)
6849	pwr700450526.h1	keyword:dna-binding(3.0e-15)
6850	154274_1.R1011	keyword:dna-binding(3.0e-16)
6851	LIB3150-041-Q1-N1-B9	keyword:dna-binding(3.0e-19)
6852	uC-zmromo17100d05a1	keyword:dna-binding(3.0e-21)
6853	17755_1.R1011	keyword:dna-binding(3.0e-25)
6854	77994_1.R1011	keyword:dna-binding(3.0e-34)
6855	uC-zmrob73075f06b1	keyword:dna-binding(3.0e-34)
6856	23216_1.R1011	keyword:dna-binding(3.0e-39)
6857	uC-zmflMo17083d10b1	keyword:dna-binding(3.0e-59)
6858	uC-zmflb73032c11b1	keyword:dna-binding(3.0e-62)
6859	LIB3062-032-Q1-K1-G5	keyword:dna-binding(3.0e-69)
6860	LIB3117-015-Q1-K1-F4	keyword:dna-binding(4.0e-12)
6861	nwy700447051.h1	keyword:dna-binding(4.0e-14)
6862	74100_1.R1011	keyword:dna-binding(4.0e-21)
6863	100714_1.R1011	keyword:dna-binding(4.0e-22)
6864	wyr700241077.h1	keyword:dna-binding(4.0e-23)
6865	hvj700618821.h1	keyword:dna-binding(4.0e-34)
6866	LIB3088-029-Q1-K1-H1	keyword:dna-binding(4.0e-47)
6867	uC-zmflmo17030h12b1	keyword:dna-binding(4.0e-56)
6868	12612_6.R1011	keyword:dna-binding(4.0e-66)

6869	8306_1.R1011	keyword:dna-binding(4.0e-68)
6870	29316_1.R1011	keyword:dna-binding(5.0e-10)
6871	19186_2.R1011	keyword:dna-binding(5.0e-17)
6872	84803_1.R1011	keyword:dna-binding(5.0e-19)
6873	74100_2.R1011	keyword:dna-binding(5.0e-21)
6874	LIB143-051-Q1-E1-B9	keyword:dna-binding(5.0e-22)
6875	uwc700155357.h1	keyword:dna-binding(5.0e-23)
6876	LIB3067-047-Q1-K1-C10	keyword:dna-binding(5.0e-36)
6877	12612_5.R1011	keyword:dna-binding(5.0e-38)
6878	94376_1.R1011	keyword:dna-binding(5.0e-39)
6879	wty700165819.h1	keyword:dna-binding(5.0e-56)
6880	12726_1.R1011	keyword:dna-binding(6.0e-16)
6881	130932_1.R1011	keyword:dna-binding(6.0e-21)
6882	19186_1.R1011	keyword:dna-binding(6.0e-56)
6883	LIB3279-059-P1-K1-G2	keyword:dna-binding(7.0e-13)
6884	uC-zmflmo17285c06b1	keyword:dna-binding(7.0e-14)
6885	LIB83-014-Q1-E1-D6	keyword:dna-binding(7.0e-18)
6886	LIB3062-017-Q1-K1-E5	keyword:dna-binding(7.0e-20)
6887	uC-zmflmo17227d01b1	keyword:dna-binding(7.0e-20)
6888	LIB3150-077-P2-N2-H4	keyword:dna-binding(7.0e-26)
6889	uC-zmflb73041e08b1	keyword:dna-binding(8.0e-12)
6890	LIB143-062-Q1-E1-E4	keyword:dna-binding(8.0e-30)
6891	148466_1.R1011	keyword:dna-binding(8.0e-34)
6892	mwy700438105.h1	keyword:dna-binding(8.0e-38)
6893	263065_1.R1011	keyword:dna-binding(8.0e-66)
6894	pmx700091420.h1	keyword:dna-binding(9.0e-11)
6895	uC-zmflb73181f12b1	keyword:dna-binding(9.0e-18)
6896	xmt700257277.h1	keyword:dna-binding(9.0e-18)
6897	LIB3137-024-Q1-K1-D9	keyword:dna-binding(9.0e-35)
6898	LIB3076-018-Q1-K1-E7	keyword:dna-binding(9.0e-85)
6899	70147_1.R1011	keyword:enbp(2.0e-25)
6900	259266_1.R1011	keyword:enbp(4.0e-09)
6901	uC-zmflB73006g07b1	keyword:enbp(7.0e-18)
6902	yyf700351908.h1	keyword:helix-loop-helix(2.0e-21)
6903	xyt700344766.h1	keyword:helix-loop-helix(9.0e-33)
6904	9174_1.R1011	keyword:homeobox(0.0e+00)
6905	LIB3069-017-Q1-K1-B1	keyword:homeobox(1.0e-08)
6906	LIB3067-027-Q1-K1-G9	keyword:homeobox(1.0e-11)
6907	nbm700476093.h1	keyword:homeobox(1.0e-12)
6908	300002_1.R1011	keyword:homeobox(1.0e-141)
6909	18251_1.R1011	keyword:homeobox(1.0e-146)
6910	LIB3062-023-Q1-K1-F5	keyword:homeobox(1.0e-16)
6911	pmx700085542.h1	keyword:homeobox(1.0e-30)
6912	598_3.R1011	keyword:homeobox(1.0e-31)
6913	764_16.R1011	"keyword:homeobox(1.0e-39),keyword:homeobox(1.0e-39)"
6914	764_17.R1011	"keyword:homeobox(1.0e-59),keyword:homeobox(1.0e-59)"
6915	111824_1.R1011	keyword:homeobox(2.0e-09)
6916	33216_4.R1011	keyword:homeobox(2.0e-10)

6917	uC-zmflb73098h01b1	keyword:homeobox(2.0e-10)
6918	287454_1.R1011	keyword:homeobox(2.0e-11)
6919	pwr700448959.h1	keyword:homeobox(2.0e-11)
6920	gwl700614245.h1	keyword:homeobox(2.0e-12)
6921	163876_1.R1011	keyword:homeobox(2.0e-13)
6922	ceu700421514.h1	keyword:homeobox(2.0e-13)
6923	31780_1.R1011	"keyword:homeobox(2.0e-13),keyword:homeobox(2.0e-13)"
6924	LIB3066-035-Q1-K1-A7	keyword:homeobox(2.0e-17)
6925	nbn700469004.h1	keyword:homeobox(2.0e-17)
6926	275799_1.R1011	keyword:homeobox(2.0e-22)
6927	116899_1.R1011	"keyword:homeobox(2.0e-22),keyword:Leucine-zipper(2.0e-22)"
6928	764_18.R1011	keyword:homeobox(2.0e-28)
6929	43230_1.R1011	keyword:homeobox(2.0e-34)
6930	uC-zmflb73064a06b1	keyword:homeobox(2.0e-45)
6931	uC-zmflb73155b12b2	keyword:homeobox(2.0e-50)
6932	uC-zmflm017086g10a1	keyword:homeobox(2.0e-60)
6933	88003_1.R1011	keyword:homeobox(3.0e-16)
6934	67551_1.R1011	keyword:homeobox(3.0e-21)
6935	uC-zmroteosinte069d05b1	keyword:homeobox(3.0e-27)
6936	50403_1.R1011	keyword:homeobox(3.0e-44)
6937	764_9.R1011	keyword:homeobox(3.0e-65)
6938	94091_1.R1011	keyword:homeobox(3.0e-76)
6939	LIB3150-069-P1-N1-F1	keyword:homeobox(4.0e-14)
6940	9174_3.R1011	keyword:homeobox(4.0e-16)
6941	nbn700473589.h1	keyword:homeobox(4.0e-18)
6942	uC-zmflb73279a11a2	keyword:homeobox(4.0e-18)
6943	45866_1.R1011	keyword:homeobox(4.0e-22)
6944	wen700336529.h1	"keyword:homeobox(4.0e-37),keyword:zinc-finger(4.0e-37)"
6945	73374_1.R1011	"keyword:homeobox(4.0e-47),keyword:homeobox(4.0e-47)"
6946	264438_1.R1011	keyword:homeobox(4.0e-49)
6947	LIB3075-018-Q1-K1-G6	keyword:homeobox(5.0e-15)
6948	uC-zmrob73061a09a1	keyword:homeobox(5.0e-49)
6949	nbn700474077.h1	keyword:homeobox(6.0e-09)
6950	3178_1.R1011	"keyword:homeobox(6.0e-17),keyword:homeobox(6.0e-17)"
6951	280421_1.R1011	keyword:homeobox(6.0e-21)
6952	vux700156628.h1	keyword:homeobox(6.0e-22)
6953	uer700581639.h1	keyword:homeobox(7.0e-14)
6954	175_4.R1011	keyword:homeobox(7.0e-17)
6955	uer700579633.h1	keyword:homeobox(7.0e-17)
6956	LIB3181-013-P1-K2-A7	keyword:homeobox(7.0e-35)
6957	764_8.R1011	keyword:homeobox(7.0e-68)
6958	31780_5.R1011	keyword:homeobox(7.0e-81)
6959	ymt700219660.h1	keyword:homeobox(8.0e-29)
6960	764_10.R1011	keyword:homeobox(9.0e-68)

6961	12979_1.R1011	keyword:homeodomain(1.0e-08)
6962	55720_1.R1011	keyword:homeodomain(1.0e-13)
6963	156765_1.R1011	keyword:homeodomain(1.0e-23)
6964	LIB84-004-Q1-E1-G12	keyword:homeodomain(1.0e-43)
6965	uC-zmflmo17265e12b1	keyword:homeodomain(2.0e-41)
6966	uC-zmflb73379d12a1	keyword:homeodomain(4.0e-43)
6967	252799_1.R1011	keyword:homeodomain(5.0e-10)
6968	uC-zmflmo17366b11a1	"keyword:homeodomain(5.0e-10),keyword:KNOX(5.0e-10)"
6969	114121_1.R1011	keyword:homeodomain(5.0e-45)
6970	vux700156878.h1	"keyword:homeodomain(6.0e-21),keyword:KNOX(6.0e-21)"
6971	uC-zmflb73148b09a1	keyword:homeodomain(6.0e-34)
6972	98006_1.R1011	keyword:homeodomain(6.0e-39)
6973	xmt700261794.h1	"keyword:homeodomain(8.0e-25),keyword:KNOX(8.0e-25)"
6974	110797_1.R1011	keyword:homeodomain(9.0e-46)
6975	tz700203055.h1	keyword:Leucine-zipper(1.0e-108)
6976	nbn700472831.h1	keyword:Leucine-zipper(1.0e-11)
6977	7235_1.R1011	keyword:Leucine-zipper(2.0e-41)
6978	gct701167790.h1	keyword:Leucine-zipper(3.0e-31)
6979	nwy700444490.h1	keyword:Leucine-zipper(5.0e-39)
6980	LIB3279-015-P1-K1-C4	keyword:Leucine-zipper(7.0e-35)
6981	105932_1.R1011	keyword:Leucine-zipper(8.0e-13)
6982	cyk700051334.f1	keyword:Leucine-zipper(9.0e-10)
6983	174_2.R1011	keyword:Leucine-zipper(9.0e-24)
6984	LIB3079-042-Q1-K2-G11	keyword:mads(1.0e-12)
6985	113_7.R1011	keyword:mads(1.0e-24)
6986	LIB3067-001-Q1-K1-G10	keyword:mads(1.0e-32)
6987	uC-zmflb73226h10b1	keyword:mads(4.0e-25)
6988	LIB3067-049-Q1-K1-C4	keyword:mads(5.0e-37)
6989	LIB3088-010-Q1-K1-B8	keyword:mads(6.0e-16)
6990	543_23.R1011	keyword:mads(7.0e-12)
6991	xdb700337712.h1	keyword:mads(8.0e-14)
6992	uC-zmflmo17291g03a1	keyword:myb(1.0e-08)
6993	15179_1.R1011	keyword:myb(1.0e-14)
6994	44808_1.R1011	keyword:myb(1.0e-17)
6995	uC-zmroteosinte005d12b1	keyword:myb(1.0e-19)
6996	42019_1.R1011	keyword:myb(1.0e-67)
6997	xsy700208807.h1	keyword:myb(2.0e-11)
6998	uC-zmflb73371h12a1	keyword:myb(2.0e-12)
6999	uC-zmflmo17275d11a1	keyword:myb(2.0e-15)
7000	42019_2.R1011	keyword:myb(2.0e-37)
7001	193_1.R1011	keyword:myb(2.0e-54)
7002	LIB3136-043-P1-K1-D10	keyword:myb(3.0e-09)
7003	wyr700242839.h1	keyword:myb(4.0e-14)
7004	LIB143-011-Q1-E1-B9	keyword:myb(4.0e-22)
7005	dyk700106429.h1	keyword:myb(5.0e-09)
7006	uC-zmflmo17027h03a1	keyword:myb(6.0e-12)
7007	57641_1.R1011	keyword:myb(6.0e-22)
7008	210183_1.R1011	keyword:myb(7.0e-11)
7009	zuv700355634.h1	keyword:myb(7.0e-29)
7010	uC-zmflb73085c02a1	keyword:myb(8.0e-16)

7011	LIB3062-036-Q1-K1-A9	keyword:myb(8.0e-19)
7012	57004_1.R1011	keyword:myb(9.0e-16)
7013	LIB3156-012-Q1-K1-D11	keyword:myb(9.0e-17)
7014	113744_1.R1011	keyword:Polycomb(2.0e-38)
7015	34034_1.R1011	keyword:scarecrow(4.0e-18)
7016	LIB3136-011-Q1-K1-G4	keyword:scarecrow(5.0e-27)
7017	8194_2.R1011	keyword:transcription(0.0e+00)
7018	cyk700052292.fl	keyword:transcription(1.0e-08)
7019	wyr700240404.h1	keyword:transcription(1.0e-08)
7020	LIB3076-025-Q1-K1-F12	"keyword:transcription(1.0e-08),keyword:bzip(1.0e-08)"
7021	12136_1.R1011	keyword:transcription(1.0e-09)
7022	LIB3150-022-Q1-N1-F6	keyword:transcription(1.0e-09)
7023	LIB3079-021-Q1-K1-A1	keyword:transcription(1.0e-10)
7024	pwr700450313.h1	keyword:transcription(1.0e-107)
7025	nwy700447237.h1	keyword:transcription(1.0e-11)
7026	6790_1.R1011	"keyword:transcription(1.0e-11),keyword:bzip(1.0e-11)"
7027	nwy700444534.h1	keyword:transcription(1.0e-111)
7028	LIB3088-042-Q1-K1-E9	keyword:transcription(1.0e-12)
7029	mwy700439921.h1	keyword:transcription(1.0e-120)
7030	wen700333684.h1	keyword:transcription(1.0e-120)
7031	8224_1.R1011	keyword:transcription(1.0e-123)
7032	ceu700428912.h1	keyword:transcription(1.0e-135)
7033	2609_1.R1011	keyword:transcription(1.0e-137)
7034	242973_1.R1011	keyword:transcription(1.0e-14)
7035	LIB3059-056-Q1-K1-E10	keyword:transcription(1.0e-14)
7036	ceu700427219.h1	keyword:transcription(1.0e-14)
7037	wen700332891.h1	keyword:transcription(1.0e-140)
7038	17665_1.R1011	keyword:transcription(1.0e-146)
7039	LIB143-051-Q1-E1-F1	keyword:transcription(1.0e-15)
7040	LIB3068-022-Q1-K1-G1	keyword:transcription(1.0e-15)
7041	zuv700355690.h1	keyword:transcription(1.0e-15)
7042	1431_2.R1011	keyword:transcription(1.0e-16)
7043	16811_3.R1011	keyword:transcription(1.0e-16)
7044	10_3.R1011	keyword:transcription(1.0e-17)
7045	19324_1.R1011	"keyword:transcription(1.0e-17),keyword:zinc-finger(1.0e-17)"
7046	ntr700075928.h1	keyword:transcription(1.0e-19)
7047	LIB3068-033-Q1-K1-B8	"keyword:transcription(1.0e-21),keyword:mads(1.0e-21)"
7048	278462_1.R1011	keyword:transcription(1.0e-22)
7049	uC-zmflmo17242h08b1	keyword:transcription(1.0e-22)
7050	fC-zmst700889690a1	keyword:transcription(1.0e-26)
7051	xtj700377427.h1	keyword:transcription(1.0e-27)
7052	41222_1.R1011	keyword:transcription(1.0e-28)
7053	LIB3068-015-Q1-K1-D8	keyword:transcription(1.0e-28)
7054	LIB3117-006-Q1-K1-D9	"keyword:transcription(1.0e-29),keyword:mads(1.0e-29)"
7055	2746_2.R1011	"keyword:transcription(1.0e-30),keyword:transcription(1.0e-30)"
7056	LIB148-002-Q1-E1-E2	keyword:transcription(1.0e-31)

7107	LIB3069-025-Q1-K1-E5	keyword:transcription(3.0e-14)
7108	LIB3076-045-Q1-K1-E4	keyword:transcription(3.0e-14)
7109	103429_1.R1011	"keyword:transcription(3.0e-14),keyword:myb(3.0e-14)"
7110	543_41.R1011	"keyword:transcription(3.0e-15),keyword:Leucine-zipper(3.0e-15)"
7111	68498_1.R1011	keyword:transcription(3.0e-16)
7112	uC-zmflmo17179d05b1	"keyword:transcription(3.0e-16),keyword:bzip(3.0e-16)"
7113	LIB3067-053-Q1-K1-G10	keyword:transcription(3.0e-17)
7114	LIB3076-028-Q1-K1-D8	keyword:transcription(3.0e-18)
7115	8178_1.R1011	keyword:transcription(3.0e-30)
7116	nwy700448386.h1	keyword:transcription(3.0e-31)
7117	11608_1.R1011	keyword:transcription(3.0e-41)
7118	2657_1.R1011	keyword:transcription(3.0e-43)
7119	5023_3.R1011	keyword:transcription(3.0e-44)
7120	6349_1.R1011	"keyword:transcription(3.0e-44),keyword:transcription(3.0e-44)"
7121	ceu700425940.h1	keyword:transcription(3.0e-51)
7122	14201_1.R1011	keyword:transcription(4.0e-09)
7123	xyt700343119.h1	keyword:transcription(4.0e-09)
7124	311932_1.R1011	keyword:transcription(4.0e-12)
7125	uC-zmflmo17038d06a1	keyword:transcription(4.0e-12)
7126	154114_1.R1011	keyword:transcription(4.0e-13)
7127	LIB143-037-Q1-E1-H11	"keyword:transcription(4.0e-13),keyword:bzip(4.0e-13)"
7128	271980_1.R1011	keyword:transcription(4.0e-16)
7129	124369_1.R1011	keyword:transcription(4.0e-17)
7130	gwl700614836.h1	keyword:transcription(4.0e-18)
7131	LIB3069-032-Q1-K1-C12	"keyword:transcription(4.0e-18),keyword:mads(4.0e-18)"
7132	5023_2.R1011	"keyword:transcription(4.0e-31),keyword:transcription(4.0e-31)"
7133	nwy700446918.h1	keyword:transcription(4.0e-39)
7134	2609_2.R1011	keyword:transcription(4.0e-40)
7135	pwr700451543.h1	keyword:transcription(4.0e-40)
7136	86434_1.R1011	"keyword:transcription(4.0e-45),keyword:dna-binding(4.0e-45)"
7137	11093_1.R1011	"keyword:transcription(4.0e-45),keyword:myb(4.0e-45)"
7138	55766_1.R1011	keyword:transcription(4.0e-48)
7139	37338_1.R1011	"keyword:transcription(5.0e-10),keyword:helix-loop-helix(5.0e-10)"
7140	uC-zmrob73071g10b1	"keyword:transcription(5.0e-11),keyword:myb(5.0e-11)"
7141	wyr700237256.h1	"keyword:transcription(5.0e-11),keyword:zinc-finger(5.0e-11)"
7142	82982_1.R1011	"keyword:transcription(5.0e-

		17),keyword:bzip(5.0e-17)"
7143	ceu700431616.h1	keyword:transcription(5.0e-18)
7144	2169_21.R1011	keyword:transcription(5.0e-25)
7145	91111_1.R1011	keyword:transcription(5.0e-29)
7146	131111_1.R1011	keyword:transcription(5.0e-30)
7147	218278_1.R1011	keyword:transcription(5.0e-32)
7148	5023_1.R1011	keyword:transcription(5.0e-38)
7149	nwy700443419.h1	keyword:transcription(5.0e-40)
7150	13158_1.R1011	"keyword:transcription(5.0e-44),keyword:transcription(5.0e-44)"
7151	pwr700450159.h1	keyword:transcription(5.0e-62)
7152	92367_1.R1011	keyword:transcription(5.0e-76)
7153	fdz701158813.h1	"keyword:transcription(5.0e-98),keyword:dna-binding(5.0e-98)"
7154	uC-zmroteosinte047e09b1	keyword:transcription(6.0e-09)
7155	29007_2.R1011	"keyword:transcription(6.0e-10),keyword:bzip(6.0e-10)"
7156	uC-zmflb73119b11b1	"keyword:transcription(6.0e-10),keyword:mads(6.0e-10)"
7157	nwy700444323.h1	keyword:transcription(6.0e-11)
7158	cyk700051948.fl	"keyword:transcription(6.0e-12),keyword:myb(6.0e-12)"
7159	203986_1.R1011	keyword:transcription(6.0e-14)
7160	LIB3067-002-Q1-K1-B10	"keyword:transcription(6.0e-14),keyword:mads(6.0e-14)"
7161	18919_1.R1011	keyword:transcription(6.0e-15)
7162	16811_2.R1011	keyword:transcription(6.0e-16)
7163	LIB3075-033-Q1-K1-G12	keyword:transcription(6.0e-18)
7164	zuv700354277.h1	"keyword:transcription(6.0e-50),keyword:dna-binding(6.0e-50)"
7165	LIB143-037-Q1-E1-H12	"keyword:transcription(7.0e-09),keyword:bzip(7.0e-09)"
7166	80550_1.R1011	keyword:transcription(7.0e-12)
7167	uC-zmflmo17419c07a1	keyword:transcription(7.0e-13)
7168	9875_4.R1011	keyword:transcription(7.0e-14)
7169	LIB3069-021-Q1-K1-F10	keyword:transcription(7.0e-14)
7170	LIB143-022-Q1-E1-H3	keyword:transcription(7.0e-15)
7171	uC-zmflmo17166h10b1	keyword:transcription(7.0e-21)
7172	2449_1.R1011	keyword:transcription(7.0e-22)
7173	nbm700471392.h1	keyword:transcription(7.0e-23)
7174	19767_4.R1011	"keyword:transcription(7.0e-24),keyword:Leucine-zipper(7.0e-24)"
7175	tfd700570064.h1	keyword:transcription(7.0e-29)
7176	cyk700050660.fl	keyword:transcription(7.0e-39)
7177	LIB148-026-Q1-E1-C5	keyword:transcription(7.0e-48)
7178	11848_1.R1011	keyword:transcription(7.0e-50)
7179	303599_1.R1011	"keyword:transcription(7.0e-52),keyword:myb(7.0e-52)"
7180	ceu700433593.h1	keyword:transcription(7.0e-60)
7181	7_6.R1011	keyword:transcription(7.0e-69)

7182	uC-zmrob73044d01a1	keyword:transcription(8.0e-11)
7183	LIB3136-005-Q1-K1-H1	keyword:transcription(8.0e-14)
7184	rvt700551584.h1	keyword:transcription(8.0e-14)
7185	103772_1.R1011	keyword:transcription(8.0e-15)
7186	3785_1.R1011	keyword:transcription(8.0e-16)
7187	15330_1.R1011	keyword:transcription(8.0e-17)
7188	16811_1.R1011	keyword:transcription(8.0e-17)
7189	LIB189-002-Q1-E1-F8	keyword:transcription(8.0e-19)
7190	135317_1.R1011	keyword:transcription(8.0e-23)
7191	LIB3180-042-P2-M2-H7	keyword:transcription(8.0e-23)
7192	uC-zmroteosinte119b07b1	keyword:transcription(8.0e-24)
7193	LIB3068-058-Q1-K1-H12	keyword:transcription(8.0e-26)
7194	6249_3.R1011	keyword:transcription(8.0e-35)
7195	uC-zmflmo17288f08b1	keyword:transcription(8.0e-38)
7196	32814_1.R1011	keyword:transcription(8.0e-42)
7197	6_3.R1011	keyword:transcription(8.0e-42)
7198	62098_1.R1011	keyword:transcription(8.0e-44)
7199	349760_1.R1011	keyword:transcription(8.0e-75)
7200	24738_1.R1011	keyword:transcription(8.0e-81)
7201	nwy700444094.h1	keyword:transcription(8.0e-94)
7202	tfd700572388.h1	keyword:transcription(9.0e-09)
7203	nbm700468802.h1	keyword:transcription(9.0e-12)
7204	LIB3068-002-Q1-K1-F4	keyword:transcription(9.0e-16)
7205	rvt700455926.h1	"keyword:transcription(9.0e-17),keyword:myb(9.0e-17)"
7206	LIB3075-027-Q1-K1-G6	keyword:transcription(9.0e-18)
7207	fwa700101582.h1	keyword:transcription(9.0e-22)
7208	8195_1.R1011	"keyword:transcription(9.0e-24),keyword:myb(9.0e-24),keyword:dna-binding(9.0e-24)"
7209	6_2.R1011	keyword:transcription(9.0e-28)
7210	fC-zmfl700350656f5	keyword:transcription(9.0e-32)
7211	19569_2.R1011	keyword:transcription(9.0e-39)
7212	891_3.R1011	keyword:transcription(9.0e-40)
7213	56396_2.R1011	keyword:zinc-finger(1.0e-08)
7214	LIB83-005-Q1-E1-C7	keyword:zinc-finger(1.0e-08)
7215	mwy700438785.h1	keyword:zinc-finger(1.0e-08)
7216	uC-zmroteosinte015b01b1	keyword:zinc-finger(1.0e-09)
7217	1070_2.R1011	keyword:zinc-finger(1.0e-10)
7218	12540_1.R1011	keyword:zinc-finger(1.0e-10)
7219	141_1.R1011	keyword:zinc-finger(1.0e-11)
7220	303328_1.R1011	keyword:zinc-finger(1.0e-11)
7221	xmt700265383.h1	keyword:zinc-finger(1.0e-11)
7222	xsy700217136.h1	keyword:zinc-finger(1.0e-11)
7223	LIB143-018-Q1-E1-D8	keyword:zinc-finger(1.0e-12)
7224	ceu700426732.h1	keyword:zinc-finger(1.0e-149)
7225	pwr700451935.h1	keyword:zinc-finger(1.0e-159)
7226	tfd700574213.h1	keyword:zinc-finger(1.0e-159)
7227	LIB3116-012-Q1-K1-H7	keyword:zinc-finger(1.0e-20)
7228	12060_1.R1011	keyword:zinc-finger(1.0e-21)
7229	95886_1.R1011	keyword:zinc-finger(1.0e-21)
7230	qmh700026514.f1	keyword:zinc-finger(1.0e-21)
7231	110514_1.R1011	keyword:zinc-finger(1.0e-25)

7232	48620_1.R1011	"keyword:zinc-finger(1.0e-27),keyword:zinc-finger(1.0e-27)"
7233	98658_1.R1011	keyword:zinc-finger(1.0e-29)
7234	69092_1.R1011	keyword:zinc-finger(1.0e-31)
7235	uC-zmflmo17278c12b1	keyword:zinc-finger(1.0e-31)
7236	uC-zmflb73251c10b3	keyword:zinc-finger(1.0e-32)
7237	LIB3136-020-Q1-K1-F12	keyword:zinc-finger(1.0e-46)
7238	111402_1.R1011	keyword:zinc-finger(1.0e-53)
7239	38258_1.R1011	keyword:zinc-finger(1.0e-58)
7240	ceu700421842.h1	keyword:zinc-finger(1.0e-69)
7241	3705_1.R1011	keyword:zinc-finger(1.0e-79)
7242	315_2.R1011	keyword:zinc-finger(2.0e-09)
7243	LIB3068-038-Q1-K1-E9	keyword:zinc-finger(2.0e-09)
7244	LIB3088-026-Q1-K1-C10	keyword:zinc-finger(2.0e-09)
7245	gct701176142.h1	keyword:zinc-finger(2.0e-09)
7246	uC-zmflb73318g12b1	keyword:zinc-finger(2.0e-09)
7247	uC-zmflmo17209h09a1	keyword:zinc-finger(2.0e-09)
7248	LIB143-066-Q1-E1-D5	"keyword:zinc-finger(2.0e-09),keyword:zinc-finger(2.0e-09)"
7249	gct701179745.h1	keyword:zinc-finger(2.0e-13)
7250	139119_1.R1011	keyword:zinc-finger(2.0e-14)
7251	41089_1.R1011	keyword:zinc-finger(2.0e-14)
7252	60441_1.R1011	keyword:zinc-finger(2.0e-14)
7253	wyr700240731.h1	keyword:zinc-finger(2.0e-15)
7254	pmx700091129.h1	keyword:zinc-finger(2.0e-16)
7255	211826_1.R1011	keyword:zinc-finger(2.0e-18)
7256	4551_1.R1011	keyword:zinc-finger(2.0e-21)
7257	108484_1.R1011	keyword:zinc-finger(2.0e-22)
7258	LIB3069-015-Q1-K1-E12	keyword:zinc-finger(2.0e-22)
7259	uC-zmflmo17169b05a1	keyword:zinc-finger(2.0e-23)
7260	148963_1.R1011	keyword:zinc-finger(2.0e-25)
7261	afb700381219.h1	"keyword:zinc-finger(2.0e-25),keyword:dna-binding(2.0e-25)"
7262	uC-zmromo17114a10a1	keyword:zinc-finger(2.0e-26)
7263	235707_1.R1011	keyword:zinc-finger(2.0e-44)
7264	uC-zmflmo17045b02b1	keyword:zinc-finger(2.0e-51)
7265	33948_1.R1011	keyword:zinc-finger(2.0e-55)
7266	45561_1.R1011	keyword:zinc-finger(2.0e-72)
7267	5627_1.R1011	keyword:zinc-finger(2.0e-84)
7268	uC-zmflmo17255d06a1	keyword:zinc-finger(2.0e-84)
7269	34802_1.R1011	keyword:zinc-finger(3.0e-10)
7270	6756_1.R1011	keyword:zinc-finger(3.0e-10)
7271	qmh700029080.f1	keyword:zinc-finger(3.0e-10)
7272	LIB3180-001-P1-M1-G11	keyword:zinc-finger(3.0e-13)
7273	uC-zmflb73291a01b1	keyword:zinc-finger(3.0e-13)
7274	uC-zmflm017214f03b1	keyword:zinc-finger(3.0e-15)
7275	fdz701163081.h1	keyword:zinc-finger(3.0e-17)
7276	wen700335463.h1	keyword:zinc-finger(3.0e-17)
7277	241453_1.R1011	keyword:zinc-finger(3.0e-18)
7278	8180_1.R1011	keyword:zinc-finger(3.0e-18)
7279	fdz701160396.h1	keyword:zinc-finger(3.0e-20)

7332	g3341091	lim(HMM:1.7e-11)
7333	1647_4.R1011	lim(HMM:1.9e-14)
7334	fC-zmle700870883a1	lim(HMM:1.9e-14)
7335	uC-zmflmo17303c04b1	lim(HMM:1e-21)
7336	1647_3.R1011	lim(HMM:2.2e-14)
7337	1647_1.R1011	lim(HMM:2.2e-32)
7338	wyr700235386.h1	lim(HMM:3.1e-06)
7339	xsy700208410.h1	lim(HMM:3.9e-12)
7340	uC-zmflmo17169d03a1	lim(HMM:3.9e-22)
7341	fdz701158756.h1	lim(HMM:4.4e-09)
7342	pwr700450670.h1	lim(HMM:4.7e-10)
7343	94503_1.R1011	lim(HMM:4.9e-14)
7344	101_2.R1011	lim(HMM:4e-14)
7345	hbs701182729.h1	lim(HMM:5.2e-06)
7346	101_1.R1011	lim(HMM:8.3e-33)
7347	83525_1.R1011	lim(HMM:8e-32)
7348	756_8.R1011	linker_histone(HMM:0.00018)
7349	LIB3137-001-Q1-K1-A5	linker_histone(HMM:0.00022)
7350	uC-zmflb73178a11b1	linker_histone(HMM:0.00047)
7351	756_3.R1011	linker_histone(HMM:0.00052)
7352	LIB3150-101-P1-N1-A3	linker_histone(HMM:0.0076)
7353	LIB3076-019-Q1-K1-B5	linker_histone(HMM:0.0096)
7354	uC-zmflmo17069f02b1	linker_histone(HMM:0.36)
7355	g4585618	linker_histone(HMM:1.1e-22)
7356	666_2.R1011	linker_histone(HMM:1.5e-30)
7357	uC-zmflmo17308b11b1	linker_histone(HMM:1.6e-05)
7358	LIB3069-035-Q1-K1-A11	linker_histone(HMM:1.9e-10)
7359	g5268367	linker_histone(HMM:1.9e-23)
7360	14297_1.R1011	linker_histone(HMM:1.9e-34)
7361	4905_2.R1011	linker_histone(HMM:1e-24)
7362	180_1.R1011	"linker_histone(HMM:2.7e-07),myb_dna-binding(HMM:6.5e-05)"
7363	rvt700550793.h1	linker_histone(HMM:2.9)
7364	756_4.R1011	linker_histone(HMM:3.4e-33)
7365	19893_2.R1011	linker_histone(HMM:4.3e-05)
7366	LIB3076-020-Q1-K1-B1	linker_histone(HMM:4e-07)
7367	19893_1.R1011	linker_histone(HMM:5.5e-22)
7368	4905_1.R1011	linker_histone(HMM:5e-33)
7369	14369_1.R1011	"linker_histone(HMM:8.1e-10),myb_dna-binding(HMM:2.1e-05)"
7370	LIB3067-044-Q1-K1-F9	linker_histone(HMM:8.4)
7371	uC-zmflmo17153e05b1	linker_histone(HMM:8.6)
7372	756_1.R1011	linker_histone(HMM:9.6e-35)
7373	108800_1.R1011	linker_histone(HMM:9.7e-13)
7374	tzu700203222.h1	myb_dna-binding(HMM:0.00013)
7375	1086_2.R1011	myb_dna-binding(HMM:0.0002)
7376	92085_1.R1011	myb_dna-binding(HMM:0.00023)
7377	119067_1.R1011	myb_dna-binding(HMM:0.00025)
7378	235108_1.R1011	myb_dna-

7379	6030_1.R1011	myb_dna-binding(HMM:0.00026)
7380	uwc700151452.h1	myb_dna-binding(HMM:0.00049)
7381	47690_1.R1011	myb_dna-binding(HMM:0.00086)
7382	g3157223	myb_dna-binding(HMM:0.00096)
7383	129899_1.R1011	myb_dna-binding(HMM:0.001)
7384	9893_3.R1011	myb_dna-binding(HMM:0.0012)
7385	uC-zmflb73085c02b2	myb_dna-binding(HMM:0.0019)
7386	242350_1.R1011	myb_dna-binding(HMM:0.0021)
7387	965_13.R1011	myb_dna-binding(HMM:0.0024)
7388	uC-zmrob73057g12a1	myb_dna-binding(HMM:0.0025)
7389	141721_1.R1011	myb_dna-binding(HMM:0.0026)
7390	111722_1.R1011	myb_dna-binding(HMM:0.0027)
7391	wty700167056.h1	myb_dna-binding(HMM:0.003)
7392	13671_1.R1011	myb_dna-binding(HMM:0.0063)
7393	ymt700219745.h1	myb_dna-binding(HMM:0.013)
7394	100888_1.R1011	myb_dna-binding(HMM:0.015)
7395	LIB3150-093-P1-N1-A8	myb_dna-binding(HMM:0.034)
7396	56162_2.R1011	myb_dna-binding(HMM:0.059)
7397	rvt700550259.h1	myb_dna-binding(HMM:0.067)
7398	3037_1.R1011	myb_dna-binding(HMM:0.087)
7399	wty700170367.h1	myb_dna-binding(HMM:0.1)
7400	62090_2.R1011	myb_dna-binding(HMM:0.11)
7401	9893_2.R1011	myb_dna-binding(HMM:0.13)
7402	ypc700805836.h1	myb_dna-binding(HMM:0.14)
7403	1124_5.R1011	myb_dna-binding(HMM:0.18)
7404	fxb700397574.h1	myb_dna-binding(HMM:0.27)
7405	uC-zmflmo17344c12b1	myb_dna-binding(HMM:0.43)
7406	1124_3.R1011	myb_dna-binding(HMM:0.44)
7407	LIB3079-030-Q1-K1-F3	myb_dna-binding(HMM:1.1e-10)
7408	tzv700203377.h1	myb_dna-binding(HMM:1.1e-10)
7409	18719_1.R1011	myb_dna-binding(HMM:1.2e-21)
7410	18719_2.R1011	myb_dna-binding(HMM:1.3e-10)
7411	ceu700422519.h1	myb_dna-binding(HMM:1.3e-10)
7412	uer700577328.h1	myb_dna-binding(HMM:1.4e-16)
7413	86820_1.R1011	myb_dna-binding(HMM:1.4e-17)
7414	g1491932	myb_dna-binding(HMM:1.4e-21)
7415	g168589	myb_dna-binding(HMM:1.4e-45)
7416	196036_1.R1011	myb_dna-binding(HMM:1.4e-45)
7417	49266_1.R1011	myb_dna-binding(HMM:1.5e-08)
7418	134451_1.R1011	myb_dna-binding(HMM:1.5e-16)
7419	LIB3151-057-Q1-K1-E8	myb_dna-binding(HMM:1.6e-10)
7420	g168591	myb_dna-binding(HMM:1.6e-20)
7421	965_23.R1011	myb_dna-binding(HMM:1.7e-22)
7422	14894_1.R1011	myb_dna-binding(HMM:1.7e-42)
7423	81644_2.R1011	myb_dna-binding(HMM:1.8e-40)
7424	35267_2.R1011	myb_dna-binding(HMM:1.9e-05)
7425	gct701176532.h1	myb_dna-binding(HMM:1.9e-06)
7426	uC-zmroB73017f11b1	myb_dna-binding(HMM:1.9e-11)
7427	71261_1.R1011	myb_dna-binding(HMM:1.9e-11)
7428	uC-zmflb73162h04b2	myb_dna-binding(HMM:1.9e-37)

7429	116851_1.R1011	myb_dna-binding(HMM:2.1e-10)
7430	uC-zmrob73076b09b1	myb_dna-binding(HMM:2.1e-12)
7431	43747_1.R1011	myb_dna-binding(HMM:2.1e-35)
7432	11369_2.R1011	myb_dna-binding(HMM:2.2e-07)
7433	LIB3180-030-P2-M2-G3	myb_dna-binding(HMM:2.2e-07)
7434	8195_2.R1011	myb_dna-binding(HMM:2.3e-09)
7435	47781_1.R1011	myb_dna-binding(HMM:2.4e-19)
7436	uC-zmflmo17394f11a1	myb_dna-binding(HMM:2.4e-27)
7437	35267_1.R1011	myb_dna-binding(HMM:2.4e-39)
7438	37039_3.R1011	myb_dna-binding(HMM:2.4e-44)
7439	119527_1.R1011	myb_dna-binding(HMM:2.5e-11)
7440	1086_1.R1011	myb_dna-binding(HMM:2.5e-24)
7441	uC-zmflb73143e02b1	myb_dna-binding(HMM:2.5e-42)
7442	211273_1.R1011	myb_dna-binding(HMM:2.6e-06)
7443	360_1.R1011	myb_dna-binding(HMM:2.6e-11)
7444	ypc700802849.h1	myb_dna-binding(HMM:2.6e-20)
7445	wyr700237918.h1	myb_dna-binding(HMM:2.7e-06)
7446	wyr700243864.h1	myb_dna-binding(HMM:2.8e-05)
7447	LIB3078-013-Q1-K1-H9	myb_dna-binding(HMM:2.8e-11)
7448	14894_3.R1011	myb_dna-binding(HMM:2.9e-41)
7449	1334_1.R1011	myb_dna-binding(HMM:3.4)
7450	qmh700027865.f1	myb_dna-binding(HMM:3.7e-05)
7451	tzu700204208.h1	myb_dna-binding(HMM:3.7e-14)
7452	92525_1.R1011	myb_dna-binding(HMM:3e-45)
7453	wty700171752.h1	myb_dna-binding(HMM:4.1e-07)
7454	14894_2.R1011	myb_dna-binding(HMM:4.1e-39)
7455	9893_4.R1011	myb_dna-binding(HMM:4.4)
7456	46504_1.R1011	"myb_dna-binding(HMM:4.5e-08),zz(HMM:1.2e-11)"
7457	uC-zmrob73011a04b1	myb_dna-binding(HMM:4.5e-15)
7458	120679_1.R1011	myb_dna-binding(HMM:4.7e-37)
7459	uC-zmflmo17176a01b1	myb_dna-binding(HMM:4.8e-19)
7460	uC-zmflb73017a03b1	myb_dna-binding(HMM:4.8e-21)
7461	8195_3.R1011	myb_dna-binding(HMM:4.9e-10)
7462	37039_4.R1011	myb_dna-binding(HMM:4.9e-23)
7463	136974_1.R1011	myb_dna-binding(HMM:4e-09)
7464	44418_1.R1011	myb_dna-binding(HMM:4e-12)
7465	g5268844	myb_dna-binding(HMM:4e-41)
7466	224582_1.R1011	myb_dna-binding(HMM:5.4e-23)
7467	278384_1.R1011	myb_dna-binding(HMM:5.6e-19)
7468	44418_2.R1011	myb_dna-binding(HMM:5.8e-06)
7469	vux700159730.h1	myb_dna-binding(HMM:5.9e-10)
7470	133302_1.R1011	myb_dna-binding(HMM:5.9e-41)
7471	uC-zmflmo17173b11b1	myb_dna-binding(HMM:5e-11)
7472	65645_1.R1011	myb_dna-binding(HMM:6.4e-40)
7473	180_3.R1011	myb_dna-binding(HMM:6.5e-05)
7474	3753_1.R1011	myb_dna-binding(HMM:6.6e-05)
7475	3005_5.R1011	myb_dna-binding(HMM:6.6e-16)
7476	pwr700450354.h1	myb_dna-binding(HMM:6.6e-20)
7477	uC-zmflmo17052e02b1	myb_dna-binding(HMM:6e-25)
7478	LIB84-023-Q1-E1-D6	myb_dna-binding(HMM:7.4e-12)
7479	224186_1.R1011	myb_dna-binding(HMM:7.5e-09)
7480	uC-zmflB73025b03b2	myb_dna-binding(HMM:7.5e-35)
7481	111964_1.R1011	myb_dna-binding(HMM:7.6e-39)

7482	354078_1.R1011	myb_dna-binding(HMM:7.8e-09)
7483	uC-zmflb73234b10b2	myb_dna-binding(HMM:8.1e-13)
7484	LIB189-026-Q1-E1-F3	myb_dna-binding(HMM:8.2e-22)
7485	81644_1.R1011	myb_dna-binding(HMM:8.6e-20)
7486	63048_1.R1011	myb_dna-binding(HMM:8.7e-11)
7487	qmh700026342.fl	myb_dna-binding(HMM:8.9e-21)
7488	9893_1.R1011	myb_dna-binding(HMM:9.1e-15)
7489	37039_2.R1011	myb_dna-binding(HMM:9.3e-45)
7490	xsy700211270.h1	myb_dna-binding(HMM:9.4e-20)
7491	fC-zmro700835640fl	myb_dna-binding(HMM:9.9)
7492	pwr700451947.h1	myc_n_term(HMM:1.3e-07)
7493	LIB3062-027-Q1-K1-G5	nam(HMM:0.00016)
7494	126476_1.R1011	nam(HMM:0.00025)
7495	wyr700240279.h1	nam(HMM:0.00045)
7496	108682_1.R1011	nam(HMM:0.00048)
7497	tfd700574820.h1	nam(HMM:0.0008)
7498	LIB3060-045-Q1-K1-G6	nam(HMM:0.0013)
7499	xsy700208075.h1	nam(HMM:0.0013)
7500	LIB3060-022-Q1-K1-C4	nam(HMM:0.0027)
7501	95404_1.R1011	nam(HMM:0.0029)
7502	54370_1.R1011	nam(HMM:0.0038)
7503	45380_1.R1011	nam(HMM:0.0041)
7504	LIB3060-029-Q1-K1-C8	nam(HMM:0.01)
7505	134883_1.R1011	nam(HMM:0.027)
7506	201218_1.R1011	nam(HMM:0.052)
7507	LIB3117-005-Q1-K1-A2	nam(HMM:0.2)
7508	wyr700235447.h1	nam(HMM:0.22)
7509	LIB3137-041-Q1-K1-C9	nam(HMM:0.27)
7510	206869_1.R1011	nam(HMM:0.72)
7511	301_1.R1011	nam(HMM:1.1e-06)
7512	uC-zmrob73057e10a1	nam(HMM:1.1e-06)
7513	73768_1.R1011	nam(HMM:1.1e-48)
7514	124375_1.R1011	nam(HMM:1.1e-71)
7515	wyr700243269.h1	nam(HMM:1.2)
7516	LIB3088-025-Q1-K1-E9	nam(HMM:1.2e-06)
7517	LIB3069-033-Q1-K1-B10	nam(HMM:1.4)
7518	LIB3151-016-Q1-K1-D2	nam(HMM:1.4e-15)
7519	19925_2.R1011	nam(HMM:1.4e-80)
7520	242069_1.R1011	nam(HMM:1.5e-18)
7521	62754_1.R1011	nam(HMM:1.6e-09)
7522	215216_1.R1011	nam(HMM:1.6e-12)
7523	202414_1.R1011	nam(HMM:1.7e-36)
7524	uwc700150130.h1	nam(HMM:1e-10)
7525	uC-zmflmo17132d12b1	nam(HMM:2.1)
7526	10371_3.R1011	nam(HMM:2.1e-22)
7527	46032_4.R1011	nam(HMM:2.3)
7528	cyk700051638.fl	nam(HMM:2.3e-13)
7529	ymt700219252.h1	nam(HMM:2.5e-13)
7530	qmh700028170.fl	nam(HMM:2.6e-08)
7531	vux700157267.h1	nam(HMM:2.6e-08)
7532	24806_3.R1011	nam(HMM:2.7e-83)
7533	12221_1.R1011	nam(HMM:2.8e-41)
7534	24806_2.R1011	nam(HMM:2.8e-67)
7535	dyk700102188.h1	nam(HMM:2.9)

uwc700149818.h1	nam(HMM:3.1e-11)
970_6.R1011	nam(HMM:3.1e-37)
g5555593	nam(HMM:3.2e-64)
30619_1.R1011	nam(HMM:3.3e-79)
207681_1.R1011	nam(HMM:3.5)
uC-zmflmo17160c10b1	nam(HMM:3.5e-09)
uC-zmflmo17336e02b1	nam(HMM:3.7)
LIB3115-029-P1-K1-F7	nam(HMM:3.7e-16)
LIB3136-019-Q1-K1-C9	nam(HMM:3.8e-05)
371645_1.R1011	nam(HMM:4.5e-08)
120771_1.R1011	nam(HMM:4.5e-36)
ymt700221866.h1	nam(HMM:4.6e-10)
uC-zmrob73050h05b1	nam(HMM:4.8e-75)
24806_1.R1011	nam(HMM:4.8e-80)
uC-zmrob73012a06b1	nam(HMM:4e-22)
219835_1.R1011	nam(HMM:5.1e-09)
LIB3182-009-P2-M1-B4	nam(HMM:5.2e-07)
2917_1.R1011	nam(HMM:5.3)
LIB3116-004-Q1-K2-F7	nam(HMM:5.7e-08)
qmh700029568.fl	nam(HMM:5.8)
115174_1.R1011	nam(HMM:5.8e-34)
LIB3182-016-P2-M1-F1	nam(HMM:6.1e-06)
LIB3066-040-Q1-K1-A5	nam(HMM:6.2e-05)
wyr700239811.h1	nam(HMM:6.2e-06)
205197_2.R1011	nam(HMM:6.3e-11)
tz700201601.h1	nam(HMM:6.8)
hbs701182246.h1	nam(HMM:6.8e-05)
121716_1.R1011	nam(HMM:6.9e-06)
xmt700265206.h1	nam(HMM:6.9e-39)
10371_1.R1011	nam(HMM:6.9e-77)
LIB3150-079-P1-N1-E4	nam(HMM:7.7e-16)
19925_3.R1011	nam(HMM:7.9e-27)
LIB3076-012-Q1-K1-F12	nam(HMM:8.1e-08)
205197_1.R1011	nam(HMM:8.3e-14)
uC-zmflb73083h12b2	nam(HMM:8.4e-08)
uC-zmflmo170114g01b1	nam(HMM:8.4e-37)
970_5.R1011	nam(HMM:8.5e-43)
LIB3151-013-Q1-K1-H9	nam(HMM:9.3e-32)
uC-zmflb73187e11b1	nam(HMM:9.7e-13)
163322_1.R1011	nam(HMM:9.9e-10)
118388_1.R1011	nam(HMM:9.9e-20)
wty700168653.h1	nam(HMM:9e-06)
uC-zmflmo17283a03b1	nam(HMM:9e-09)
7647_3.R1011	nap_family(HMM:0.0004)
21318_2.R1011	nap_family(HMM:0.0019)
LIB3059-023-Q1-K1-G2	nap_family(HMM:0.0027)
LIB3150-108-P2-K1-C6	nap_family(HMM:0.004)
15810_1.R1011	nap_family(HMM:1.3e-09)
6060_1.R1011	nap_family(HMM:1.5e-13)
7647_1.R1011	nap_family(HMM:1.5e-28)
LIB3150-004-Q1-N1-D4	nap_family(HMM:1.7e-09)
21318_1.R1011	nap_family(HMM:2.3e-136)
7647_2.R1011	nap_family(HMM:3.7e-11)
LIB3062-040-Q1-K1-G7	nap_family(HMM:6.7e-16)

7590	g4885774	nap_family(HMM:6e-10)
7591	xyt700343958.h1	nap_family(HMM:9.8e-09)
7592	rvt700552474.h1	nap_family(HMM:9e-14)
7593	71771_1.R1011	nap_family(HMM:9e-29)
7594	tzu700201204.h1	phd(HMM:0.00027)
7595	19796_2.R1011	phd(HMM:0.00028)
7596	18004_1.R1011	phd(HMM:0.00053)
7597	uC-zmflb73180d03b1	"phd(HMM:0.00077),zf-c3hc4(HMM:0.0007)"
7598	32_1.R1011	phd(HMM:0.0026)
7599	113229_1.R1011	phd(HMM:0.0042)
7600	111362_1.R1011	phd(HMM:0.0056)
7601	65252_1.R1011	phd(HMM:0.0062)
7602	839_9.R1011	phd(HMM:0.0072)
7603	sem700930118.h1	phd(HMM:0.0072)
7604	133965_1.R1011	phd(HMM:0.01)
7605	35755_1.R1011	phd(HMM:0.045)
7606	227366_1.R1011	phd(HMM:0.11)
7607	39_1.R1011	phd(HMM:0.11)
7608	LIB3076-004-Q1-K1-D10	phd(HMM:0.11)
7609	161337_1.R1011	phd(HMM:0.12)
7610	24_1.R1011	phd(HMM:0.13)
7611	96044_1.R1011	phd(HMM:0.15)
7612	133844_1.R1011	"phd(HMM:0.16),zf-c3hc4(HMM:2.1e-08)"
7613	g5006147	phd(HMM:0.18)
7614	g511367	phd(HMM:0.29)
7615	uC-zmflb73232a09b1	phd(HMM:0.49)
7616	rvt700549516.h1	phd(HMM:1.1e-09)
7617	g4938805	phd(HMM:1.2e-05)
7618	5182_2.R1011	phd(HMM:1.2e-10)
7619	33917_1.R1011	phd(HMM:1.2e-11)
7620	18361_3.R1011	phd(HMM:1.4e-12)
7621	LIB3059-004-Q1-K1-G10	phd(HMM:1.5e-05)
7622	18361_6.R1011	phd(HMM:1.5e-12)
7623	LIB3079-026-Q1-K1-C12	phd(HMM:1.5e-13)
7624	33_1.R1011	phd(HMM:1.7e-26)
7625	33_2.R1011	phd(HMM:1.8e-06)
7626	37_1.R1011	phd(HMM:2.1e-17)
7627	33917_2.R1011	phd(HMM:2.2e-11)
7628	170811_1.R1011	phd(HMM:2.4e-11)
7629	31_1.R1011	phd(HMM:2.7e-10)
7630	80836_1.R1011	phd(HMM:2.9e-06)
7631	85816_1.R1011	phd(HMM:3.1)
7632	149233_1.R1011	phd(HMM:3.3e-11)
7633	2345_1.R1011	phd(HMM:3.4e-12)
7634	34_1.R1011	phd(HMM:3.9e-10)
7635	12886_1.R1011	"phd(HMM:4.6e-11),zf-c3hc4(HMM:0.11)"
7636	65563_1.R1011	phd(HMM:4e-06)
7637	4863_1.R1011	phd(HMM:4e-11)
7638	53455_1.R1011	phd(HMM:5.6e-12)
7639	19796_1.R1011	phd(HMM:6.9e-11)
7640	5182_1.R1011	phd(HMM:7.9e-11)

7695	1173_1.R1011	sbpb(HMM:4.6e-44)
7696	LIB3069-037-Q1-K1-C4	sbpb(HMM:5.8e-10)
7697	xyt700343163.h1	sbpb(HMM:5.8e-16)
7698	uC-zmflb73372c09a1	sbpb(HMM:8.1)
7699	afb700381372.h1	scan(HMM:2.2e-09)
7700	LIB3116-007-Q1-K1-E8	scr(HMM:0.00088)
7701	cyk700051838.fl	scr(HMM:0.0022)
7702	LIB3136-038-P1-K1-F6	scr(HMM:0.0036)
7703	uC-zmflmo17275c01a1	scr(HMM:0.005)
7704	uC-zmroteosinte016b06b1	scr(HMM:0.006)
7705	218432_1.R1011	scr(HMM:0.0084)
7706	55105_1.R1011	scr(HMM:0.0085)
7707	240174_1.R1011	scr(HMM:0.029)
7708	2021_9.R1011	scr(HMM:1.3)
7709	mwy700442142.h1	scr(HMM:1.3e-05)
7710	31248_1.R1011	scr(HMM:1.4e-27)
7711	86173_1.R1011	scr(HMM:1.6e-37)
7712	LIB3279-008-P1-K1-A1	scr(HMM:1.7e-05)
7713	70371_1.R1011	scr(HMM:1.7e-14)
7714	85163_1.R1011	scr(HMM:1.9e-13)
7715	1042_1.R1011	scr(HMM:1.9e-16)
7716	6174_1.R1011	scr(HMM:2.1e-27)
7717	g4152171	scr(HMM:2.3)
7718	LIB3069-022-Q1-K1-E10	scr(HMM:2.3e-22)
7719	kem700612202.h1	scr(HMM:2.3e-24)
7720	LIB83-013-Q1-E1-F6	scr(HMM:2.4e-06)
7721	645_2.R1011	scr(HMM:2.5e-68)
7722	60554_1.R1011	scr(HMM:2.6e-48)
7723	35597_1.R1011	scr(HMM:2.8e-05)
7724	LIB148-030-Q1-E1-E4	scr(HMM:2.9e-30)
7725	gct701173786.h1	scr(HMM:3.8e-12)
7726	uC-zmflb73073f08b3	scr(HMM:4.2e-10)
7727	uC-zmflmo17064f12b1	scr(HMM:4.3e-10)
7728	33292_1.R1011	scr(HMM:4.8e-114)
7729	uC-zmroB73014d08b1	scr(HMM:5.3e-06)
7730	19366_1.R1011	scr(HMM:5.3e-20)
7731	LIB3076-032-Q1-K1-C4	scr(HMM:5.7e-14)
7732	LIB3076-014-Q1-K1-F6	scr(HMM:6.3e-15)
7733	19366_2.R1011	scr(HMM:6.5e-07)
7734	39453_1.R1011	scr(HMM:6.8e-06)
7735	177209_1.R1011	scr(HMM:7.2e-19)
7736	2021_4.R1011	scr(HMM:7.2e-20)
7737	fdz701163921.h1	scr(HMM:7.4e-09)
7738	uC-zmflb73033d10b1	scr(HMM:7.4e-15)
7739	91255_1.R1011	scr(HMM:7.5e-07)
7740	44990_1.R1011	scr(HMM:7.7e-12)
7741	101733_1.R1011	scr(HMM:8.8e-17)
7742	xsy700212015.h1	scr(HMM:8.8e-32)
7743	14366_1.R1011	scr(HMM:9.2e-18)
7744	uC-zmflmo17289a06b1	scr(HMM:9.3e-05)
7745	72518_1.R1011	scr(HMM:9.3e-12)
7746	wyr700237065.h1	scr(HMM:9.7e-06)
7747	ntr700074722.h1	scr(HMM:9.9e-28)
7748	ceu700432452.h1	set(HMM:0.00016)

7749	nwy700445574.h1	set(HMM:0.0002)
7750	159774_1.R1011	set(HMM:0.00046)
7751	159774_2.R1011	set(HMM:0.00059)
7752	yne700378914.h1	set(HMM:0.00059)
7753	LIB3075-019-Q1-K1-E9	set(HMM:0.00076)
7754	uC-zmflb73150d09b1	set(HMM:0.0012)
7755	LIB3116-015-P1-K1-H1	set(HMM:0.0015)
7756	4642_1.R1011	set(HMM:0.07)
7757	112014_1.R1011	set(HMM:0.12)
7758	201970_1.R1011	set(HMM:0.14)
7759	82277_1.R1011	set(HMM:0.85)
7760	xjt700096952.h1	set(HMM:1.1e-11)
7761	uC-zmflb731230c05a1	set(HMM:1.1e-12)
7762	1755_1.R1011	set(HMM:1.1e-36)
7763	54645_1.R1011	set(HMM:1.1e-46)
7764	uC-zmflb73230c10b2	set(HMM:1.3e-06)
7765	LIB3079-056-Q1-K1-E1	set(HMM:1.5e-15)
7766	121625_1.R1011	set(HMM:1.5e-20)
7767	LIB3075-013-Q1-K1-F1	set(HMM:1.6e-12)
7768	70655_1.R1011	set(HMM:1.6e-26)
7769	afb700381224.h1	set(HMM:1.7e-06)
7770	gct701180481.h1	set(HMM:1.7e-13)
7771	uC-zmflb73139a02b1	set(HMM:1.8e-05)
7772	9482_1.R1011	set(HMM:1.8e-23)
7773	4193_1.R1011	set(HMM:1.8e-50)
7774	138441_1.R1011	set(HMM:1.9e-14)
7775	8673_1.R1011	set(HMM:2.6e-05)
7776	211176_1.R1011	set(HMM:2.7)
7777	5363_1.R1011	set(HMM:3.1e-26)
7778	LIB3062-051-Q1-K1-A12	set(HMM:3.2)
7779	5332_1.R1011	set(HMM:3.3e-34)
7780	78685_1.R1011	set(HMM:4e-06)
7781	LIB3150-023-Q1-N1-F1	set(HMM:4e-11)
7782	uC-zmroteosinte008f10b1	set(HMM:5.3e-53)
7783	140423_1.R1011	set(HMM:5.4e-55)
7784	cjh700196512.h1	set(HMM:6.4e-14)
7785	42686_1.R1011	set(HMM:7.8e-44)
7786	fdz701160861.h1	set(HMM:8.2e-08)
7787	107223_1.R1011	set(HMM:9.5e-19)
7788	18141_1.R1011	set(HMM:9.7e-07)
7789	rvl700456152.h1	set(HMM:9.9e-13)
7790	LIB3067-013-Q1-K1-F4	"snf2_n(HMM:0.00016),zf-c3hc4(HMM:0.18)"
7791	104440_1.R1011	snf2_n(HMM:0.006)
7792	nbm700468170.h1	snf2_n(HMM:0.083)
7793	LIB3066-024-Q1-K1-F6	snf2_n(HMM:0.75)
7794	85215_1.R1011	snf2_n(HMM:0.78)
7795	96331_1.R1011	snf2_n(HMM:1.1e-45)
7796	uC-zmflmo17223c09b1	snf2_n(HMM:1.3e-17)
7797	nbm700473042.h1	snf2_n(HMM:1.6e-26)
7798	uC-zmflmo17066b08b1	snf2_n(HMM:1.7e-10)
7799	6150_1.R1011	snf2_n(HMM:1.8e-141)
7800	225672_1.R1011	snf2_n(HMM:1.9e-25)
7801	xsy700207459.h1	snf2_n(HMM:2.2e-08)

7802	LIB3076-019-Q1-K1-F10	snf2_n(HMM:2.4e-13)
7803	219582_1.R1011	snf2_n(HMM:2.6e-06)
7804	6423_1.R1011	snf2_n(HMM:2.6e-15)
7805	gct701167820.h1	snf2_n(HMM:2.9e-19)
7806	98888_1.R1011	snf2_n(HMM:3.1e-10)
7807	5603_1.R1011	"snf2_n(HMM:3.1e-14),zf-c3hc4(HMM:0.0097)"
7808	21514_1.R1011	snf2_n(HMM:3.5e-07)
7809	22960_1.R1011	snf2_n(HMM:3.5e-12)
7810	3233_1.R1011	snf2_n(HMM:3e-23)
7811	LIB3159-002-Q1-K1-E3	snf2_n(HMM:4e-13)
7812	123229_1.R1011	snf2_n(HMM:7.5e-17)
7813	271062_1.R1011	snf2_n(HMM:8.2e-20)
7814	uC-zmflmo17262b09b1	snf2_n(HMM:8.4e-09)
7815	33998_1.R1011	snf2_n(HMM:8.8e-46)
7816	55025_1.R1011	snf2_n(HMM:9.1e-10)
7817	uC-zmflb73275a12b1	srf-tf(HMM:0.00028)
7818	LIB3279-011-P1-K1-D3	srf-tf(HMM:0.00063)
7819	LIB189-006-Q1-E1-G12	srf-tf(HMM:0.0036)
7820	uC-zmflmo17259b12b1	srf-tf(HMM:0.14)
7821	uC-zmflmo17068a10b1	srf-tf(HMM:0.79)
7822	112_4.R1011	srf-tf(HMM:1.1e-35)
7823	LIB3076-018-Q1-K1-A4	srf-tf(HMM:1.2e-17)
7824	uC-zmflmo17039a04b1	srf-tf(HMM:1.4e-29)
7825	LIB3069-009-Q1-K1-H3	srf-tf(HMM:1.5e-33)
7826	CPR9103_L30684201_FL	srf-tf(HMM:1.5e-37)
7827	LIB3069-036-Q1-K1-H9	srf-tf(HMM:1.6e-23)
7828	uC-zmflmo17223f08b1	srf-tf(HMM:1.7)
7829	uC-zmflb73114g10b1	srf-tf(HMM:1.8e-13)
7830	166_2.R1011	srf-tf(HMM:1.9e-29)
7831	uC-zmflmo17001d12b1	srf-tf(HMM:1e-14)
7832	LIB3077-002-Q1-K1-D11	srf-tf(HMM:2.1e-12)
7833	71280_1.R1011	srf-tf(HMM:2.1e-29)
7834	xmt700261644.h1	srf-tf(HMM:2.3)
7835	uwc700151223.h1	srf-tf(HMM:2.5e-09)
7836	LIB3067-028-Q1-K1-H6	srf-tf(HMM:2.6e-23)
7837	166_3.R1011	srf-tf(HMM:2e-30)
7838	111_1.R1011	srf-tf(HMM:2e-35)
7839	LIB3062-002-Q1-K2-B3	srf-tf(HMM:2e-35)
7840	LIB3075-043-Q1-K1-D3	srf-tf(HMM:3.1e-33)
7841	uC-zmflmo17068a10b2	srf-tf(HMM:3.3)
7842	LIB3068-061-Q1-K1-E2	srf-tf(HMM:3.3e-11)
7843	uC-zmflb73003f02b1	srf-tf(HMM:3.6e-06)
7844	g939782	srf-tf(HMM:3.7e-33)
7845	LIB3181-009-P1-K2-C3	srf-tf(HMM:3.9e-36)
7846	611_4.R1011	srf-tf(HMM:3e-36)
7847	uC-zmflb73301e08b2	srf-tf(HMM:3e-36)
7848	122_4.R1011	srf-tf(HMM:3e-37)
7849	uC-zmflmo17184g02b1	srf-tf(HMM:4.2e-10)
7850	543_8.R1011	srf-tf(HMM:4.2e-34)
7851	uC-zmflmo17202h01b1	srf-tf(HMM:4.4e-35)
7852	uC-zmflmo17171b06b1	srf-tf(HMM:4.4e-36)
7853	LIB189-012-Q1-E1-F6	srf-tf(HMM:4.9e-14)
7854	9_1.R1011	srf-tf(HMM:4e-32)

7855	LIB3079-023-Q1-K1-H5	srf-tf(HMM:5.3e-05)
7856	dyk700106944.h1	srf-tf(HMM:5.3e-05)
7857	uC-zmroteosinte058g09b2	srf-tf(HMM:7.2e-16)
7858	g793901	srf-tf(HMM:8.3e-32)
7859	LIB3116-001-Q1-K1-G1	srf-tf(HMM:9.4e-09)
7860	606_1.R1011	tbp(HMM:2.2e-81)
7861	606_2.R1011	tbp(HMM:2.2e-81)
7862	102306_1.R1011	teo(HMM:0.0025)
7863	250289_1.R1011	teo(HMM:0.19)
7864	cat700020547.r1	teo(HMM:0.69)
7865	pmx700086592.h1	teo(HMM:0.88)
7866	LIB3137-013-Q1-K1-A5	teo(HMM:1.1e-27)
7867	135315_1.R1011	teo(HMM:1.6e-08)
7868	uC-zmflmo17190b11b1	teo(HMM:1.7e-05)
7869	105868_1.R1011	teo(HMM:1.8e-13)
7870	LIB84-008-Q1-E1-C5	teo(HMM:2.9)
7871	g5268663	teo(HMM:2e-07)
7872	LIB84-026-Q1-E1-F3	teo(HMM:3e-11)
7873	g2051978	teo(HMM:5.1e-29)
7874	uC-zmflmo17123d12a1	tfiis(HMM:0.00064)
7875	141904_1.R1011	tfiis(HMM:0.00068)
7876	44455_1.R1011	tfiis(HMM:0.087)
7877	g5714238	tfiis(HMM:0.087)
7878	356480_1.R1011	tfiis(HMM:3.5e-19)
7879	2200_1.R1011	tfiis(HMM:3.5e-20)
7880	149396_1.R1011	tfiis(HMM:3e-07)
7881	20390_1.R1011	tfiis(HMM:4e-12)
7882	21886_1.R1011	tfiis(HMM:4e-12)
7883	2200_2.R1011	tfiis(HMM:5.3e-21)
7884	dyk700105135.h1	transcript_fac2(HMM:0.057)
7885	g4804552	transcript_fac2(HMM:2e-17)
7886	10_1.R1011	transcript_fac2(HMM:6e-54)
7887	LIB3150-080-P2-N2-D2	trihelix(HMM:0.061)
7888	35673_1.R1011	trihelix(HMM:1.3e-57)
7889	uC-zmflb73137a02b1	trihelix(HMM:2.5e-06)
7890	xjt700095936.h1	trihelix(HMM:2.6e-10)
7891	10776_1.R1011	trihelix(HMM:2.7e-09)
7892	238186_1.R1011	trihelix(HMM:3.8e-07)
7893	234329_1.R1011	trihelix(HMM:3.9e-18)
7894	80958_1.R1011	trihelix(HMM:5.6e-56)
7895	xjt700095983.h1	trihelix(HMM:7.2e-18)
7896	uC-zmroteosinte105d05b1	wrky(HMM:0.00016)
7897	fwa700097379.h1	wrky(HMM:0.00022)
7898	LIB3069-037-Q1-K1-A10	wrky(HMM:0.0021)
7899	cyk700048751.fl	wrky(HMM:0.0022)
7900	16821_1.R1011	wrky(HMM:0.004)
7901	LIB3069-004-Q1-K1-F1	wrky(HMM:0.005)
7902	uC-zmflb73168d03a1	wrky(HMM:0.0084)
7903	262895_1.R1011	wrky(HMM:0.17)
7904	353348_1.R1011	wrky(HMM:0.17)
7905	85014_1.R1011	wrky(HMM:1.1e-38)
7906	gct701174191.h1	wrky(HMM:1.3e-29)
7907	wyr700241062.h1	wrky(HMM:1.4)
7908	clt700043633.fl	wrky(HMM:1.4e-12)

7909	14223_1.R1011	wrky(HMM:1.4e-36)
7910	LIB3116-028-P1-K1-A11	wrky(HMM:1.7e-09)
7911	uC-zmflb73017d01b1	wrky(HMM:1.8e-35)
7912	94980_1.R1011	wrky(HMM:1.8e-39)
7913	120742_1.R1011	wrky(HMM:1.9e-33)
7914	clt700041878.fl	wrky(HMM:2.1e-18)
7915	226212_1.R1011	wrky(HMM:2.2e-17)
7916	54216_2.R1011	wrky(HMM:2.2e-29)
7917	wyr700236840.h1	wrky(HMM:2.6)
7918	54216_1.R1011	wrky(HMM:2.6e-25)
7919	LIB84-010-Q1-E1-F10	wrky(HMM:3.2e-21)
7920	uwc700151333.h1	wrky(HMM:3.4e-08)
7921	409_1.R1011	wrky(HMM:3.4e-44)
7922	153602_1.R1011	wrky(HMM:3.6e-18)
7923	gwl700613365.h1	wrky(HMM:3.7e-08)
7924	23750_1.R1011	wrky(HMM:3.8e-07)
7925	182_1.R1011	wrky(HMM:3e-44)
7926	8386_1.R1011	wrky(HMM:4.2e-37)
7927	153602_3.R1011	wrky(HMM:4e-25)
7928	36570_1.R1011	wrky(HMM:5.3e-07)
7929	68895_1.R1011	wrky(HMM:5.3e-31)
7930	uC-zmroteosinte107d12b2	wrky(HMM:5.8e-17)
7931	151396_1.R1011	wrky(HMM:5e-19)
7932	153602_2.R1011	wrky(HMM:5e-20)
7933	206462_1.R1011	wrky(HMM:7.1e-38)
7934	24372_2.R1011	wrky(HMM:7.1e-40)
7935	47925_1.R1011	wrky(HMM:7.4e-26)
7936	dyk700106359.h1	wrky(HMM:7.8e-09)
7937	pmx700082065.h1	wrky(HMM:8.4e-05)
7938	uC-zmflb73147h04b1	wrky(HMM:8.8)
7939	xdb700337862.h1	wrky(HMM:9.9e-05)
7940	pmx700089722.h1	wrky(HMM:9.9e-38)
7941	gct701167914.h1	wrky(HMM:9e-15)
7942	g5268376	wrky(HMM:9e-41)
7943	142_1.R1011	"zf-b_box(HMM:0.00024),zf-constans(HMM:4.3e-32)"
7944	142_2.R1011	"zf-b_box(HMM:0.00024),zf-constans(HMM:4.3e-32)"
7945	68636_2.R1011	"zf-b_box(HMM:0.0075),zf-constans(HMM:3.7e-38)"
7946	61495_1.R1011	"zf-b_box(HMM:0.063),zf-constans(HMM:3.9e-15)"
7947	8146_2.R1011	"zf-b_box(HMM:0.088),zf-constans(HMM:3.9e-39)"
7948	157403_1.R1011	zf-c2h2(HMM:0.00021)
7949	wyr700240638.h1	zf-c2h2(HMM:0.00024)
7950	53008_1.R1011	zf-c2h2(HMM:0.00025)
7951	419_1.R1011	zf-c2h2(HMM:0.00056)
7952	LIB3115-015-P1-K1-F5	zf-c2h2(HMM:0.0008)
7953	41347_1.R1011	zf-c2h2(HMM:0.00091)
7954	209161_1.R1011	zf-c2h2(HMM:0.00099)
7955	LIB3069-042-Q1-K1-H12	zf-c2h2(HMM:0.0014)
7956	116608_1.R1011	zf-c2h2(HMM:0.0018)
7957	fdz701160730.h1	zf-c2h2(HMM:0.0022)

7958	57582_1.R1011	zf-c2h2(HMM:0.0024)
7959	fC-zmst700894694a1	zf-c2h2(HMM:0.0027)
7960	uC-zmflb73027h12b1	zf-c2h2(HMM:0.0029)
7961	tfd700572733.h1	zf-c2h2(HMM:0.0052)
7962	ceu700432333.h1	zf-c2h2(HMM:0.0054)
7963	uC-zmflb73267e03b2	zf-c2h2(HMM:0.0091)
7964	94328_1.R1011	zf-c2h2(HMM:0.01)
7965	LIB3079-021-Q1-K1-H8	zf-c2h2(HMM:0.015)
7966	LIB3088-019-Q1-K1-F8	zf-c2h2(HMM:0.017)
7967	LIB3136-023-Q1-K1-C2	zf-c2h2(HMM:0.017)
7968	LIB3151-023-Q1-K1-G2	zf-c2h2(HMM:0.022)
7969	157260_1.R1011	zf-c2h2(HMM:0.033)
7970	uC-zmflb73260g05b2	zf-c2h2(HMM:0.043)
7971	347503_1.R1011	zf-c2h2(HMM:0.071)
7972	pwr700453237.h1	zf-c2h2(HMM:0.087)
7973	14895_1.R1011	zf-c2h2(HMM:0.1)
7974	16240_1.R1011	zf-c2h2(HMM:1.3e-05)
7975	cat700017019.r1	zf-c2h2(HMM:1.6e-07)
7976	191_1.R1011	zf-c2h2(HMM:1.6e-15)
7977	g4966708	zf-c2h2(HMM:1.8e-10)
7978	xyt700346018.h1	zf-c2h2(HMM:1.9e-25)
7979	411_1.R1011	zf-c2h2(HMM:2.2e-07)
7980	uer700582866.h1	zf-c2h2(HMM:2.4e-06)
7981	138701_1.R1011	zf-c2h2(HMM:3.2e-05)
7982	LIB3068-001-Q1-K1-C7	zf-c2h2(HMM:3.2e-34)
7983	1085_1.R1011	zf-c2h2(HMM:3.4e-28)
7984	415_1.R1011	zf-c2h2(HMM:3.6e-09)
7985	yyf700352188.h1	zf-c2h2(HMM:3.6e-21)
7986	250790_1.R1011	zf-c2h2(HMM:4.8e-05)
7987	uC-zmflmo17070f07b1	zf-c2h2(HMM:4e-06)
7988	419_3.R1011	zf-c2h2(HMM:6.8e-09)
7989	262434_1.R1011	zf-c2h2(HMM:6.9e-10)
7990	312453_1.R1011	zf-c2h2(HMM:7.1e-06)
7991	g3170600	zf-c2h2(HMM:7.7e-09)
7992	nwy700447294.h1	zf-c2h2(HMM:8.4e-19)
7993	LIB189-028-Q1-E1-F5	zf-c2h2(HMM:9.7e-07)
7994	159463_1.R1011	zf-c3hc4(HMM:0.00013)
7995	uC-zmflmo17109f03b1	zf-c3hc4(HMM:0.00014)
7996	11_1.R1011	zf-c3hc4(HMM:0.00018)
7997	51111_1.R1011	zf-c3hc4(HMM:0.00018)
7998	LIB3069-015-Q1-K1-B8	zf-c3hc4(HMM:0.00028)
7999	43883_1.R1011	zf-c3hc4(HMM:0.001)
8000	11838_1.R1011	zf-c3hc4(HMM:0.0014)
8001	2513_1.R1011	zf-c3hc4(HMM:0.002)
8002	145261_1.R1011	zf-c3hc4(HMM:0.0029)
8003	LIB3150-081-P1-N1-C6	zf-c3hc4(HMM:0.0029)
8004	27662_1.R1011	zf-c3hc4(HMM:0.004)
8005	163_1.R1011	zf-c3hc4(HMM:0.0042)
8006	LIB3157-017-Q1-K1-E7	zf-c3hc4(HMM:0.0042)
8007	164747_1.R1011	zf-c3hc4(HMM:0.0046)
8008	116629_2.R1011	zf-c3hc4(HMM:0.0053)
8009	50182_1.R1011	zf-c3hc4(HMM:0.0053)
8010	54242_1.R1011	zf-c3hc4(HMM:0.0056)
8011	pmx700091647.h1	zf-c3hc4(HMM:0.0061)

8012	76340_1.R1011	zf-c3hc4(HMM:0.0076)
8013	324272_1.R1011	zf-c3hc4(HMM:0.0093)
8014	pmx700086948.h1	zf-c3hc4(HMM:0.0098)
8015	10592_1.R1011	zf-c3hc4(HMM:0.011)
8016	fdz701164649.h1	zf-c3hc4(HMM:0.011)
8017	39463_1.R1011	zf-c3hc4(HMM:0.012)
8018	13279_2.R1011	zf-c3hc4(HMM:0.013)
8019	79049_1.R1011	zf-c3hc4(HMM:0.013)
8020	8752_1.R1011	zf-c3hc4(HMM:0.013)
8021	uC-zmrob73002f12b1	zf-c3hc4(HMM:0.013)
8022	246800_1.R1011	zf-c3hc4(HMM:0.014)
8023	clt700045409.fl	zf-c3hc4(HMM:0.014)
8024	uC-zmflb73160d12a1	zf-c3hc4(HMM:0.014)
8025	213_3.R1011	zf-c3hc4(HMM:0.017)
8026	wty700170408.h1	zf-c3hc4(HMM:0.017)
8027	12729_4.R1011	zf-c3hc4(HMM:0.018)
8028	56078_2.R1011	zf-c3hc4(HMM:0.018)
8029	8752_3.R1011	zf-c3hc4(HMM:0.02)
8030	uC-zmflmo17269f10b1	zf-c3hc4(HMM:0.021)
8031	12729_1.R1011	zf-c3hc4(HMM:0.022)
8032	12729_7.R1011	zf-c3hc4(HMM:0.022)
8033	59524_1.R1011	zf-c3hc4(HMM:0.023)
8034	66723_1.R1011	zf-c3hc4(HMM:0.034)
8035	5954_1.R1011	zf-c3hc4(HMM:0.04)
8036	12212_1.R1011	zf-c3hc4(HMM:0.044)
8037	70802_1.R1011	zf-c3hc4(HMM:0.052)
8038	82069_1.R1011	zf-c3hc4(HMM:0.053)
8039	103280_1.R1011	zf-c3hc4(HMM:0.054)
8040	103280_2.R1011	zf-c3hc4(HMM:0.054)
8041	uC-zmroteosinte096f02b2	zf-c3hc4(HMM:0.056)
8042	181_1.R1011	zf-c3hc4(HMM:0.059)
8043	afb700381537.h1	zf-c3hc4(HMM:0.06)
8044	3393_1.R1011	zf-c3hc4(HMM:0.065)
8045	182784_1.R1011	zf-c3hc4(HMM:0.066)
8046	275059_1.R1011	zf-c3hc4(HMM:0.069)
8047	324734_1.R1011	zf-c3hc4(HMM:0.073)
8048	qmh700027480.fl	zf-c3hc4(HMM:0.074)
8049	612_5.R1011	zf-c3hc4(HMM:0.077)
8050	72452_1.R1011	zf-c3hc4(HMM:0.078)
8051	uC-zmrob73054b08a1	zf-c3hc4(HMM:0.083)
8052	uC-zmflb73019d10b1	zf-c3hc4(HMM:0.086)
8053	LIB189-003-Q1-E1-E7	zf-c3hc4(HMM:0.089)
8054	154523_1.R1011	zf-c3hc4(HMM:0.09)
8055	qmh700030296.fl	zf-c3hc4(HMM:0.094)
8056	g3340896	zf-c3hc4(HMM:0.1)
8057	g4967174	zf-c3hc4(HMM:0.11)
8058	26273_1.R1011	zf-c3hc4(HMM:0.14)
8059	93164_2.R1011	zf-c3hc4(HMM:0.3)
8060	14776_2.R1011	zf-c3hc4(HMM:0.49)
8061	uC-zmflmo17076a01b1	zf-c3hc4(HMM:0.52)
8062	26865_1.R1011	zf-c3hc4(HMM:0.59)
8063	14776_3.R1011	zf-c3hc4(HMM:0.65)
8064	LIB3136-026-Q1-K1-B3	zf-c3hc4(HMM:0.75)
8065	14776_1.R1011	zf-c3hc4(HMM:0.93)

8066	LIB3180-021-P2-M1-B3	zf-c3hc4(HMM:0.99)
8067	26398_1.R1011	zf-c3hc4(HMM:1.1e-07)
8068	47763_1.R1011	zf-c3hc4(HMM:1.1e-09)
8069	64464_1.R1011	zf-c3hc4(HMM:1.1e-09)
8070	76138_1.R1011	zf-c3hc4(HMM:1.1e-10)
8071	24928_1.R1011	zf-c3hc4(HMM:1.1e-11)
8072	76005_1.R1011	zf-c3hc4(HMM:1.1e-11)
8073	LIB3159-007-Q1-K1-F12	zf-c3hc4(HMM:1.1e-11)
8074	uC-zmflb73271c07a1	zf-c3hc4(HMM:1.2)
8075	g5525869	zf-c3hc4(HMM:1.2e-09)
8076	11122_1.R1011	zf-c3hc4(HMM:1.2e-11)
8077	19677_1.R1011	zf-c3hc4(HMM:1.2e-11)
8078	93164_1.R1011	zf-c3hc4(HMM:1.3e-09)
8079	uC-zmflmo17169b10a1	zf-c3hc4(HMM:1.3e-09)
8080	148037_1.R1011	zf-c3hc4(HMM:1.3e-10)
8081	wty700164124.h1	zf-c3hc4(HMM:1.4e-09)
8082	4582_2.R1011	zf-c3hc4(HMM:1.5)
8083	9403_1.R1011	zf-c3hc4(HMM:1.5e-05)
8084	g4646402	zf-c3hc4(HMM:1.5e-05)
8085	105_4.R1011	zf-c3hc4(HMM:1.5e-08)
8086	108416_1.R1011	zf-c3hc4(HMM:1.5e-09)
8087	12986_1.R1011	"zf-c3hc4(HMM:1.6e-13),zz(HMM:8e-11)"
8088	3192_1.R1011	zf-c3hc4(HMM:1.9)
8089	159039_1.R1011	zf-c3hc4(HMM:1.9e-06)
8090	36843_1.R1011	zf-c3hc4(HMM:1.9e-06)
8091	ceu700430292.h1	zf-c3hc4(HMM:1.9e-10)
8092	23974_2.R1011	zf-c3hc4(HMM:1e-06)
8093	68707_1.R1011	zf-c3hc4(HMM:1e-09)
8094	uC-zmromo17009a07a1	zf-c3hc4(HMM:1e-10)
8095	165_1.R1011	zf-c3hc4(HMM:2.1e-08)
8096	73703_1.R1011	zf-c3hc4(HMM:2.1e-10)
8097	8767_1.R1011	zf-c3hc4(HMM:2.2e-06)
8098	8767_2.R1011	zf-c3hc4(HMM:2.2e-06)
8099	414_1.R1011	zf-c3hc4(HMM:2.2e-11)
8100	5462_1.R1011	zf-c3hc4(HMM:2.3e-05)
8101	360600_1.R1011	zf-c3hc4(HMM:2.3e-06)
8102	10589_1.R1011	zf-c3hc4(HMM:2.3e-10)
8103	LIB3069-004-Q1-K1-D7	zf-c3hc4(HMM:2.3e-10)
8104	116629_1.R1011	zf-c3hc4(HMM:2.4e-08)
8105	56775_1.R1011	zf-c3hc4(HMM:2.4e-12)
8106	tzu700205411.h1	zf-c3hc4(HMM:2.4e-12)
8107	29304_1.R1011	zf-c3hc4(HMM:2.5e-07)
8108	6572_1.R1011	zf-c3hc4(HMM:2.5e-08)
8109	15090_3.R1011	zf-c3hc4(HMM:2.6e-12)
8110	105_10.R1011	zf-c3hc4(HMM:2.7e-08)
8111	41932_1.R1011	zf-c3hc4(HMM:2.7e-08)
8112	uC-zmflMo17004a08b1	zf-c3hc4(HMM:2.7e-10)
8113	136215_1.R1011	zf-c3hc4(HMM:2.8e-05)
8114	g5058662	zf-c3hc4(HMM:2.8e-10)
8115	74958_2.R1011	zf-c3hc4(HMM:2.9)
8116	66897_1.R1011	zf-c3hc4(HMM:2.9e-06)
8117	103753_1.R1011	zf-c3hc4(HMM:2.9e-11)
8118	612_3.R1011	zf-c3hc4(HMM:2.9e-11)

8119	55104_1.R1011	zf-c3hc4(HMM:2e-07)
8120	LIB3159-015-Q1-K1-F8	zf-c3hc4(HMM:2e-11)
8121	13931_1.R1011	zf-c3hc4(HMM:3.1e-07)
8122	13931_2.R1011	zf-c3hc4(HMM:3.1e-07)
8123	10054_1.R1011	zf-c3hc4(HMM:3.1e-08)
8124	14102_1.R1011	zf-c3hc4(HMM:3.1e-09)
8125	35482_1.R1011	zf-c3hc4(HMM:3.2e-06)
8126	134535_1.R1011	zf-c3hc4(HMM:3.2e-07)
8127	ymt700221258.h1	zf-c3hc4(HMM:3.2e-07)
8128	1226_1.R1011	zf-c3hc4(HMM:3.2e-10)
8129	84080_1.R1011	zf-c3hc4(HMM:3.2e-10)
8130	135_1.R1011	zf-c3hc4(HMM:3.3e-09)
8131	35908_1.R1011	zf-c3hc4(HMM:3.3e-09)
8132	97413_1.R1011	zf-c3hc4(HMM:3.3e-09)
8133	15090_1.R1011	zf-c3hc4(HMM:3.3e-12)
8134	15090_2.R1011	zf-c3hc4(HMM:3.3e-12)
8135	96979_1.R1011	zf-c3hc4(HMM:3.3e-12)
8136	xyt700345248.h1	zf-c3hc4(HMM:3.3e-12)
8137	42445_1.R1011	zf-c3hc4(HMM:3.4e-08)
8138	43769_1.R1011	zf-c3hc4(HMM:3.4e-08)
8139	uer700577343.h1	zf-c3hc4(HMM:3.6e-09)
8140	10179_1.R1011	zf-c3hc4(HMM:3.7e-07)
8141	179_1.R1011	zf-c3hc4(HMM:3.7e-07)
8142	59363_1.R1011	zf-c3hc4(HMM:3.7e-09)
8143	108386_1.R1011	zf-c3hc4(HMM:3.9e-12)
8144	86845_1.R1011	zf-c3hc4(HMM:3e-07)
8145	18194_2.R1011	zf-c3hc4(HMM:3e-10)
8146	48821_1.R1011	zf-c3hc4(HMM:4.2e-13)
8147	uC-zmroB73070d02b1	zf-c3hc4(HMM:4.3e-05)
8148	14776_4.R1011	zf-c3hc4(HMM:4.6)
8149	uC-zmflmo17201c12b1	zf-c3hc4(HMM:4.8e-10)
8150	81053_1.R1011	zf-c3hc4(HMM:4.8e-12)
8151	121445_1.R1011	zf-c3hc4(HMM:4.8e-13)
8152	36446_1.R1011	zf-c3hc4(HMM:4.9e-07)
8153	154700_1.R1011	zf-c3hc4(HMM:4e-11)
8154	27570_1.R1011	zf-c3hc4(HMM:4e-11)
8155	54870_1.R1011	zf-c3hc4(HMM:5.1e-06)
8156	wyr700243466.h1	zf-c3hc4(HMM:5.1e-10)
8157	uC-zmflmo17169g10a1	zf-c3hc4(HMM:5.2e-05)
8158	afb700381752.h1	zf-c3hc4(HMM:5.4)
8159	11629_1.R1011	zf-c3hc4(HMM:5.4e-11)
8160	34793_1.R1011	zf-c3hc4(HMM:5.5e-10)
8161	12379_1.R1011	zf-c3hc4(HMM:5.6e-05)
8162	12405_1.R1011	zf-c3hc4(HMM:5.6e-07)
8163	160504_1.R1011	zf-c3hc4(HMM:5.8e-05)
8164	g5499490	zf-c3hc4(HMM:5.9e-13)
8165	uC-zmflb73416a03a1	zf-c3hc4(HMM:5e-05)
8166	15315_1.R1011	zf-c3hc4(HMM:5e-10)
8167	uC-zmflmo17125g04b1	zf-c3hc4(HMM:6)
8168	165281_1.R1011	zf-c3hc4(HMM:6.1e-10)
8169	7605_1.R1011	zf-c3hc4(HMM:6.2e-05)
8170	uC-zmflb73349g12a2	zf-c3hc4(HMM:6.2e-05)
8171	156153_1.R1011	zf-c3hc4(HMM:6.6e-09)
8172	192_1.R1011	zf-c3hc4(HMM:6.9e-12)

8173	81913_1.R1011	zf-c3hc4(HMM:6e-10)
8174	LIB148-043-Q1-E1-F4	zf-c3hc4(HMM:6e-11)
8175	87354_1.R1011	zf-c3hc4(HMM:6e-12)
8176	234606_1.R1011	zf-c3hc4(HMM:7.2e-07)
8177	18194_1.R1011	zf-c3hc4(HMM:7.2e-11)
8178	fC-zmro700830687d1	zf-c3hc4(HMM:7.2e-11)
8179	45085_2.R1011	zf-c3hc4(HMM:7.3e-09)
8180	tfd700572139.h1	zf-c3hc4(HMM:7.5)
8181	LIB3066-035-Q1-K1-F7	zf-c3hc4(HMM:7.6e-08)
8182	LIB3062-024-Q1-K1-H9	zf-c3hc4(HMM:7.7)
8183	24170_1.R1011	zf-c3hc4(HMM:7.7e-09)
8184	46930_1.R1011	zf-c3hc4(HMM:7.7e-11)
8185	168837_1.R1011	zf-c3hc4(HMM:7e-13)
8186	LIB3067-045-Q1-K1-D1	zf-c3hc4(HMM:8.2e-10)
8187	rvt700549916.h1	zf-c3hc4(HMM:8.2e-10)
8188	83740_1.R1011	zf-c3hc4(HMM:8.4e-11)
8189	61691_1.R1011	zf-c3hc4(HMM:8.5e-06)
8190	5889_5.R1011	zf-c3hc4(HMM:8.5e-10)
8191	14670_1.R1011	zf-c3hc4(HMM:8.7e-12)
8192	22644_1.R1011	zf-c3hc4(HMM:8.8e-05)
8193	124447_1.R1011	zf-c3hc4(HMM:8e-08)
8194	66159_1.R1011	zf-c3hc4(HMM:9.5e-10)
8195	LIB36-009-Q1-E1-D11	zf-c3hc4(HMM:9.6e-11)
8196	74958_1.R1011	zf-c3hc4(HMM:9.8e-05)
8197	uC-zmflmo17313f11b1	zf-c3hc4(HMM:9.9e-05)
8198	179_2.R1011	zf-c3hc4(HMM:9e-08)
8199	46477_1.R1011	zf-c3hc4(HMM:9e-09)
8200	72105_1.R1011	zf-ccch(HMM:0.00014)
8201	gwl700617311.h1	zf-ccch(HMM:0.00049)
8202	241_18.R1011	zf-ccch(HMM:0.00065)
8203	ceu700424071.h1	zf-ccch(HMM:0.00071)
8204	192997_2.R1011	zf-ccch(HMM:0.0015)
8205	241_14.R1011	zf-ccch(HMM:0.0044)
8206	192997_1.R1011	zf-ccch(HMM:0.0047)
8207	222263_1.R1011	zf-ccch(HMM:0.0055)
8208	uC-zmflmo17312g01b1	zf-ccch(HMM:0.0058)
8209	LIB3079-034-Q1-K1-B7	zf-ccch(HMM:0.011)
8210	xmt700264760.h1	zf-ccch(HMM:0.011)
8211	uC-zmroteosinte031d02b1	zf-ccch(HMM:0.012)
8212	LIB143-015-Q1-E1-F10	zf-ccch(HMM:0.016)
8213	669_38.R1011	zf-ccch(HMM:0.018)
8214	LIB3137-061-Q1-K1-C2	zf-ccch(HMM:0.019)
8215	95888_1.R1011	zf-ccch(HMM:0.023)
8216	11184_1.R1011	zf-ccch(HMM:0.028)
8217	pmx700082907.h1	zf-ccch(HMM:0.035)
8218	4975_2.R1011	zf-ccch(HMM:0.08)
8219	4975_4.R1011	zf-ccch(HMM:0.08)
8220	4975_5.R1011	zf-ccch(HMM:0.08)
8221	LIB3060-017-Q1-K1-C3	zf-ccch(HMM:0.08)
8222	LIB3159-018-Q1-K1-F2	zf-ccch(HMM:0.098)
8223	LIB3066-019-Q1-K1-A5	zf-ccch(HMM:0.12)
8224	241_32.R1011	zf-ccch(HMM:0.13)
8225	LIB3076-015-Q1-K1-B7	zf-ccch(HMM:0.15)
8226	uwc700155036.h1	zf-ccch(HMM:0.18)

8227	xjt700093378.h1	zf-ccch(HMM:0.2)
8228	305434_1.R1011	zf-ccch(HMM:1.1)
8229	85058_1.R1011	zf-ccch(HMM:1.1e-06)
8230	241_9.R1011	zf-ccch(HMM:1.1e-19)
8231	LIB3150-054-Q1-N1-G6	zf-ccch(HMM:1.3e-05)
8232	241_24.R1011	zf-ccch(HMM:1.4e-08)
8233	43689_2.R1011	zf-ccch(HMM:1.4e-08)
8234	45198_1.R1011	zf-ccch(HMM:1.6e-12)
8235	124725_1.R1011	zf-ccch(HMM:1.7e-07)
8236	171242_1.R1011	zf-ccch(HMM:1.8e-07)
8237	39072_2.R1011	zf-ccch(HMM:1e-05)
8238	g4621377	zf-ccch(HMM:1e-08)
8239	108766_1.R1011	zf-ccch(HMM:2.2e-05)
8240	100614_1.R1011	zf-ccch(HMM:2.4e-06)
8241	wen700331895.h1	zf-ccch(HMM:2.6e-09)
8242	39045_1.R1011	zf-ccch(HMM:2.6e-10)
8243	10942_1.R1011	zf-ccch(HMM:2.8e-08)
8244	tfd700570940.h1	zf-ccch(HMM:2.9)
8245	uC-zmflmo17212f08a1	zf-ccch(HMM:2.9e-19)
8246	241_46.R1011	zf-ccch(HMM:2e-08)
8247	43689_1.R1011	zf-ccch(HMM:3.2e-05)
8248	xsy700208053.h1	zf-ccch(HMM:3.7e-05)
8249	669_4.R1011	zf-ccch(HMM:3.8e-08)
8250	669_19.R1011	zf-ccch(HMM:4.2e-06)
8251	LIB3069-022-Q1-K1-E8	zf-ccch(HMM:4.2e-06)
8252	rvl700458624.h1	zf-ccch(HMM:4.2e-06)
8253	uC-zmflb73056f02b1	zf-ccch(HMM:4.2e-06)
8254	39072_1.R1011	zf-ccch(HMM:4.3e-07)
8255	85058_3.R1011	zf-ccch(HMM:5.4)
8256	67016_1.R1011	zf-ccch(HMM:6e-06)
8257	46780_1.R1011	zf-cchc(HMM:0.00012)
8258	1973_2.R1011	zf-cchc(HMM:0.00013)
8259	15134_1.R1011	zf-cchc(HMM:0.00015)
8260	15134_3.R1011	zf-cchc(HMM:0.00015)
8261	1973_1.R1011	zf-cchc(HMM:0.00015)
8262	21823_2.R1011	zf-cchc(HMM:0.00015)
8263	198110_1.R1011	zf-cchc(HMM:0.00018)
8264	LIB148-057-Q1-E1-D4	zf-cchc(HMM:0.00021)
8265	5025_5.R1011	zf-cchc(HMM:0.00022)
8266	5025_4.R1011	zf-cchc(HMM:0.00023)
8267	14488_1.R1011	zf-cchc(HMM:0.00034)
8268	1470_4.R1011	zf-cchc(HMM:0.00038)
8269	LIB3059-057-Q1-K1-G9	zf-cchc(HMM:0.00043)
8270	5025_1.R1011	zf-cchc(HMM:0.00044)
8271	g5525748	zf-cchc(HMM:0.00067)
8272	g5108105	zf-cchc(HMM:0.0029)
8273	LIB3079-025-Q1-K1-D3	zf-cchc(HMM:0.0037)
8274	nbn700475724.h1	zf-cchc(HMM:0.005)
8275	228532_1.R1011	zf-cchc(HMM:0.014)
8276	209389_1.R1011	zf-cchc(HMM:0.015)
8277	uC-zmflmo17058c11b1	zf-cchc(HMM:0.021)
8278	kem700612104.h1	zf-cchc(HMM:0.022)
8279	zla700380602.h1	zf-cchc(HMM:0.037)
8280	LIB3068-010-Q1-K1-C8	zf-cchc(HMM:0.041)

8281	g3341167	zf-cchc(HMM:0.075)
8282	afb700381773.h1	zf-cchc(HMM:0.13)
8283	1470_24.R1011	zf-cchc(HMM:0.67)
8284	138078_1.R1011	zf-cchc(HMM:1.2e-25)
8285	fdz701161114.h1	zf-cchc(HMM:1.3e-05)
8286	hbs701183301.h1	zf-cchc(HMM:1.5e-05)
8287	gct701174387.h1	zf-cchc(HMM:1.5e-08)
8288	15380_1.R1011	zf-cchc(HMM:1.6e-34)
8289	109815_1.R1011	zf-cchc(HMM:1.8e-29)
8290	1470_1.R1011	zf-cchc(HMM:1.9e-09)
8291	3283_1.R1011	zf-cchc(HMM:2.1e-25)
8292	303232_1.R1011	zf-cchc(HMM:2.4e-05)
8293	178_1.R1011	zf-cchc(HMM:2.5e-16)
8294	185984_1.R1011	zf-cchc(HMM:2.6e-05)
8295	LIB3075-040-Q1-K1-D9	zf-cchc(HMM:2.7e-16)
8296	1470_2.R1011	zf-cchc(HMM:2e-09)
8297	8129_1.R1011	zf-cchc(HMM:3.2e-47)
8298	10584_1.R1011	zf-cchc(HMM:3.9e-05)
8299	uC-zmroteosinte012g04b1	zf-cchc(HMM:3e-08)
8300	nwy700448416.h1	zf-cchc(HMM:4.2e-07)
8301	5300_1.R1011	zf-cchc(HMM:4.5e-06)
8302	15380_2.R1011	zf-cchc(HMM:4.8e-06)
8303	119865_1.R1011	zf-cchc(HMM:4e-05)
8304	uC-zmflb73236d12b1	zf-cchc(HMM:5.2e-08)
8305	nbm700464657.h1	zf-cchc(HMM:6.8e-17)
8306	20468_1.R1011	zf-cchc(HMM:6e-06)
8307	xmt700259359.h1	zf-cchc(HMM:7.5e-05)
8308	fdz701163614.h1	zf-cchc(HMM:7.8e-06)
8309	uC-zmroB73014a05b1	zf-constans(HMM:0.00013)
8310	uC-zmflMo17063f08b1	zf-constans(HMM:0.00038)
8311	xsy700209246.h1	zf-constans(HMM:0.0098)
8312	40402_1.R1011	zf-constans(HMM:0.041)
8313	LIB143-024-Q1-E1-F4	zf-constans(HMM:0.16)
8314	68636_1.R1011	zf-constans(HMM:0.18)
8315	982_2.R1011	zf-constans(HMM:0.28)
8316	LIB3060-050-Q1-K1-B6	zf-constans(HMM:0.48)
8317	uC-zmflb73237g05b2	zf-constans(HMM:1.1e-10)
8318	134910_1.R1011	zf-constans(HMM:1.1e-14)
8319	107610_1.R1011	zf-constans(HMM:1.2e-16)
8320	8146_1.R1011	zf-constans(HMM:1.6e-38)
8321	119960_1.R1011	zf-constans(HMM:2.1e-27)
8322	106090_1.R1011	zf-constans(HMM:2.3e-19)
8323	LIB3136-058-Q1-K1-H11	zf-constans(HMM:2.5e-09)
8324	LIB189-006-Q1-E1-D9	zf-constans(HMM:2.5e-16)
8325	clt700041959.f1	zf-constans(HMM:2.6e-18)
8326	18832_1.R1011	zf-constans(HMM:3.1e-06)
8327	LIB3066-002-Q1-K1-C3	zf-constans(HMM:3.2e-13)
8328	LIB3115-031-P1-K1-H5	zf-constans(HMM:3.2e-13)
8329	8146_4.R1011	zf-constans(HMM:3.2e-39)
8330	13038_2.R1011	zf-constans(HMM:3.7e-11)
8331	123361_1.R1011	zf-constans(HMM:3.8e-16)
8332	13038_1.R1011	zf-constans(HMM:3.9e-11)
8333	xsy700209575.h1	zf-constans(HMM:5.3e-17)
8334	61071_1.R1011	zf-constans(HMM:5.5e-07)

8335	uC-zmflmo17101fl1b1	zf-constans(HMM:5.8e-05)
8336	64502_1.R1011	zf-constans(HMM:5.8e-32)
8337	uC-zmflb73181h07b1	zf-constans(HMM:6.1)
8338	LIB3136-044-P1-K1-A4	zf-constans(HMM:6.4e-11)
8339	18330_1.R1011	zf-constans(HMM:7.1e-21)
8340	14661_1.R1011	zf-mynd(HMM:1.4e-07)
8341	965_30.R1011	zf-mynd(HMM:1.8e-05)
8342	965_36.R1011	zf-mynd(HMM:2.5e-11)
8343	224949_1.R1011	zf-mynd(HMM:9.6e-09)
8344	88460_1.R1011	zf-nf-x1(HMM:0.073)
8345	wen700331933.h1	zf-nf-x1(HMM:0.82)
8346	88460_2.R1011	zf-nf-x1(HMM:1.2)
8347	LIB3067-037-Q1-K1-F12	zf-nf-x1(HMM:1.8e-05)
8348	50287_1.R1011	zz(HMM:0.02)
8349	5730_1.R1011	zz(HMM:2e-12)
8350	2912_1.R1011	zz(HMM:6.4e-07)

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8401	osleLIB3474037b02a1_frame6	
8402	g2427442_frame3	ank(HMM:3.2e-12)
8403	uC-osrocyp033f11a1_frame5	ank(HMM:3.3e-13)
8404	uC-osflcyp162a07b1_frame3	ank(HMM:3.6e-09)
8405	g1632606_frame4	ank(HMM:3.7e-07)
8406	g5667512_frame1	ank(HMM:3.7e-16)
8407	uC-osflcyp039a01b1_frame1	ank(HMM:3.8e-14)
8408	14784_1.R1084_frame2	ank(HMM:4.2e-24)
8409	uC-osflcyp158a11b1_frame1	ank(HMM:4.4e-05)
8410	LIB3434-005-P1-K1-C10_frame1	ank(HMM:4.5e-09)
8411	30799_1.R1084_frame1	ank(HMM:4.9e-15)
8412	LIB3434-013-P1-K1-F6_frame2	ank(HMM:5.1e-05)
8413	uC-osflM202091b10b1_frame2	ank(HMM:5.5e-06)
8414	uC-osroM202030a07b1_frame1	ank(HMM:5.9e-12)
8415	35818_1.R1084_frame2	ank(HMM:6.1e-13)
8416	LIB3431-047-P1-N1-D8_frame5	ank(HMM:6.8e-21)
8417	21576_1.R1084_frame3	ank(HMM:7.1e-31)
8418	LIB3433-016-Q6-K6-F12_frame2	ank(HMM:7.5e-06)
8419	63383_1.R1084_frame1	ank(HMM:7e-21)
8420	g4714237_frame2	ank(HMM:8.1e-09)
8421	26024_1.R1084_frame2	ank(HMM:9.9e-41)
8422	g2442375_frame2	ap2-domain(HMM:0.0001)
8423	uC-osflcyp004g06b1_frame3	ap2-domain(HMM:0.00027)
8424	uC-osflM202047f04b1_frame3	ap2-domain(HMM:0.00074)
8425	55803_1.R1084_frame2	ap2-domain(HMM:0.00076)
8426	76713_1.R1084_frame3	ap2-domain(HMM:0.0012)
8427	96886_1.R1084_frame2	ap2-domain(HMM:0.0067)
8428	uC-osrocyp029f11b1_frame2	ap2-domain(HMM:0.0098)
8429	g2310291_frame3	ap2-domain(HMM:0.011)
8430	28040_1.R1084_frame3	ap2-domain(HMM:0.58)
8431	g2799366_frame3	ap2-domain(HMM:1.3e-13)
8432	g5667533_frame3	ap2-domain(HMM:1.3e-13)
8433	168_2.R1084_frame3	ap2-domain(HMM:1.3e-40)
8434	g427910_frame3	ap2-domain(HMM:1.4e-15)
8435	88463_1.R1084_frame1	ap2-domain(HMM:1.5e-15)
8436	62487_1.R1084_frame3	ap2-domain(HMM:1.6e-37)
8437	49159_1.R1084_frame2	ap2-domain(HMM:1.6e-39)
8438	20783_2.R1084_frame3	ap2-domain(HMM:1.7e-39)
8439	34010_1.R1084_frame3	ap2-domain(HMM:1.9e-27)
8440	58360_1.R1084_frame3	ap2-domain(HMM:1.9e-31)
8441	69949_1.R1084_frame1	ap2-domain(HMM:2.1e-19)
8442	18824_1.R1084_frame1	ap2-domain(HMM:2.1e-36)
8443	g5003396_frame3	ap2-domain(HMM:2.2e-10)
8444	38368_1.R1084_frame6	ap2-domain(HMM:2.6e-18)
8445	2466_1.R1084_frame3	ap2-domain(HMM:2.6e-38)
8446	21358_1.R1084_frame2	ap2-domain(HMM:2.9e-38)
8447	43210_1.R1084_frame1	ap2-domain(HMM:3.2e-37)
8448	uC-osrocyp017c05b1_frame1	ap2-domain(HMM:3.4e-09)
8449	52863_1.R1084_frame3	ap2-domain(HMM:3.4e-13)
8450	g702738_frame1	ap2-domain(HMM:3.5e-06)
8451	LIB3431-060-P1-K1-F7_frame3	ap2-domain(HMM:3.5e-17)
	uC-osrocyp021d02b1_frame3	ap2-domain(HMM:4.1e-31)

8452	g3760180_frame2	ap2-domain(HMM:4.3e-09)
8453	14887_1.R1084_frame2	ap2-domain(HMM:4.8e-35)
8454	LIB3475-006-P1-K1-A9_frame2	ap2-domain(HMM:4e-05)
8455	uC-osflcyp034f01b1_frame2	ap2-domain(HMM:5.9e-14)
8456	8473_1.R1084_frame2	ap2-domain(HMM:5e-06)
8457	uC-osrocyp005g12b1_frame2	ap2-domain(HMM:6.4e-18)
8458	g286671_frame2	ap2-domain(HMM:7.1e-11)
8459	1048_1.R1084_frame3	ap2-domain(HMM:7.4e-33)
8460	uC-osflcyp143g12b1_frame3	ap2-domain(HMM:7.5)
8461	959_1.R1084_frame2	ap2-domain(HMM:7.7e-39)
8462	uC-osroM202031h07b1_frame3	ap2-domain(HMM:8.9e-10)
8463	26037_1.R1084_frame3	ap2-domain(HMM:9.1e-29)
8464	59584_1.R1084_frame2	ap2-domain(HMM:9.3e-35)
8465	g3107619_frame3	ap2-domain(HMM:9.4e-20)
8466	g2427469_frame1	"arf(HMM:0.0022),b3(HMM:3.1e-06)"
8467	g3762230_frame6	arf(HMM:1.7e-17)
8468	12155_1.R1084_frame1	"arf(HMM:1.8e-12),b3(HMM:1.2e-27)"
8469	uC-osroM202019e10b1_frame2	arf(HMM:2.9e-13)
8470	g3761532_frame2	arf(HMM:2.9e-21)
8471	44884_1.R1084_frame2	"arf(HMM:3.3e-85),b3(HMM:1.2e-15)"
8472	70520_1.R1084_frame2	arf(HMM:3.8e-16)
8473	g569467_frame2	"arf(HMM:6.5e-12),b3(HMM:6.9e-50)"
8474	g5004275_frame2	"arf(HMM:6.6e-47),b3(HMM:1.7e-60)"
8475	LIB3477-001-P1-K1-E4_frame1	arf(HMM:9.1e-08)
8476	74873_1.R1084_frame1	arid(HMM:2.7e-13)
8477	g3107746_frame3	athook(HMM:0.017)
8478	g427942_frame1	b3(HMM:0.00018)
8479	12082_1.R1084_frame2	b3(HMM:3.1e-59)
8480	uC-osroM202001b04a1_frame1	b3(HMM:3.2e-17)
8481	43153_1.R1084_frame1	bah(HMM:0.6)
8482	4430_1.R1084_frame6	"bah(HMM:2.7e-36),phd(HMM:0.0017)"
8483	g4716249_frame2	bpf-1(HMM:1.1e-79)
8484	g427671_frame3	bpf-1(HMM:2.3e-76)
8485	uC-osflcyp026h10b1_frame1	bpf-1(HMM:2.5e-90)
8486	4131_1.R1084_frame5	bpf-1(HMM:3e-36)
8487	60036_1.R1084_frame1	bpf-1(HMM:7.5e-38)
8488	16810_1.R1084_frame2	bromodomain(HMM:0.0044)
8489	uC-osroM202030e06a1_frame3	bromodomain(HMM:1e-26)
8490	g5667387_frame2	bromodomain(HMM:2.5)
8491	44803_1.R1084_frame3	bromodomain(HMM:2e-09)
8492	LIB3434-060-P1-K1-C1_frame2	bromodomain(HMM:3.9e-33)
8493	g2442805_frame3	bromodomain(HMM:4.3e-05)
8494	28820_1.R1084_frame3	bromodomain(HMM:6.3e-07)
8495	54050_1.R1084_frame1	bromodomain(HMM:6e-13)
8496	54291_1.R1084_frame4	btb(HMM:0.0015)
8497	LIB3433-047-P1-K1-D4_frame3	btb(HMM:0.33)
8498	2980_1.R1084_frame5	btb(HMM:2.9e-08)
8499	18452_1.R1084_frame1	btb(HMM:3.3e-11)

8500	11264_1.R1084_frame1	btb(HMM:3e-10)
8501	33098_1.R1084_frame3	btb(HMM:4.1e-05)
8502	42362_1.R1084_frame2	btb(HMM:5.1e-09)
8503	78101_1.R1084_frame3	btb(HMM:6.2e-06)
8504	LIB3431-031-P1-K1-E12_frame2	bzip(HMM:0.00055)
8505	9342_1.R1084_frame1	bzip(HMM:0.00096)
8506	LIB3433-057-P1-K1-E1_frame3	bzip(HMM:0.0053)
8507	50880_1.R1084_frame6	bzip(HMM:0.0063)
8508	17054_1.R1084_frame2	bzip(HMM:0.01)
8509	35294_1.R1084_frame3	bzip(HMM:0.016)
8510	LIB3434-016-P1-K1-D9_frame3	bzip(HMM:0.27)
8511	g5803454_frame2	bzip(HMM:0.36)
8512	18517_1.R1084_frame3	bzip(HMM:1.1e-13)
8513	LIB3433-019-P1-K1-C7_frame2	bzip(HMM:1.1e-13)
8514	274_1.R1084_frame1	bzip(HMM:1.1e-18)
8515	94811_1.R1084_frame2	bzip(HMM:1.2e-11)
8516	315_1.R1084_frame1	bzip(HMM:1.2e-18)
8517	15567_1.R1084_frame3	bzip(HMM:1.4e-17)
8518	988_1.R1084_frame3	bzip(HMM:1.7e-11)
8519	463_1.R1084_frame1	bzip(HMM:1e-17)
8520	2349_1.R1084_frame6	bzip(HMM:2.5e-14)
8521	21217_1.R1084_frame3	bzip(HMM:2.6e-11)
8522	315_2.R1084_frame3	bzip(HMM:2.7e-18)
8523	g435945_frame2	bzip(HMM:2.9e-12)
8524	uC-osrocyp030h03b1_frame1	bzip(HMM:3.3e-05)
8525	1005_1.R1084_frame2	bzip(HMM:4.2e-21)
8526	LIB3434-035-P1-K1-D6_frame3	bzip(HMM:4.7e-13)
8527	980_1.R1084_frame3	bzip(HMM:5.6e-22)
8528	g435943_frame3	bzip(HMM:6.7e-13)
8529	3184_1.R1084_frame4	bzip(HMM:7.1e-13)
8530	92_1.R1084_frame2	bzip(HMM:7.5e-13)
8531	749_1.R1084_frame2	bzip(HMM:8.1e-15)
8532	97344_1.R1084_frame1	bzip(HMM:8.2e-08)
8533	uC-osflcyp013a12b1_frame2	bzip(HMM:8.5)
8534	g2801356_frame2	cbfd_nfyb_hmf(HMM:0.00072)
8535	34342_1.R1084_frame2	cbfd_nfyb_hmf(HMM:0.042)
8536	7629_1.R1084_frame2	"cbfd_nfyb_hmf(HMM:0.055),hi stone(HMM:8.5e-36)"
8537	LIB3434-023-P1-K1-B3_frame3	cbfd_nfyb_hmf(HMM:1.5e-33)
8538	26746_1.R1084_frame3	cbfd_nfyb_hmf(HMM:2.7)
8539	4245_1.R1084_frame4	cbfd_nfyb_hmf(HMM:3.7e-37)
8540	g1632008_frame3	cbfd_nfyb_hmf(HMM:6.4e-15)
8541	19213_1.R1084_frame1	cbfd_nfyb_hmf(HMM:9.2e-15)
8542	LIB3431-036-P1-N1-D4_frame4	chromo(HMM:0.00024)
8543	5302_1.R1084_frame4	chromo(HMM:0.0071)
8544	518_2.R1084_frame1	chromo(HMM:1e-18)
8545	uC-osflm202108f08b1_frame2	csd(HMM:0.016)
8546	g5004101_frame3	csd(HMM:0.4)
8547	58275_1.R1084_frame3	csd(HMM:8.8e-09)
8548	g5004157_frame2	dof(HMM:0.016)
8549	g3061221_frame3	dof(HMM:0.19)
8550	uC-osflcyp127d01a1_frame2	dof(HMM:1.1e-36)
8551	g4996647_frame2	dof(HMM:1.2e-23)

8552	25092_1.R1084_frame1	dof(HMM:1.2e-35)
8553	133_1.R1084_frame3	dof(HMM:1.4e-35)
8554	LIB3434-040-P1-K1-B11_frame3	dof(HMM:1.9e-05)
8555	130_5.R1084_frame2	dof(HMM:2.4e-29)
8556	uC-osroM202007g08a1_frame6	dof(HMM:2.7e-17)
8557	130_1.R1084_frame3	dof(HMM:2e-31)
8558	130_3.R1084_frame2	dof(HMM:4.9e-37)
8559	g4996641_frame3	dof(HMM:4.9e-37)
8560	g2311601_frame3	dof(HMM:6.6e-20)
8561	81962_1.R1084_frame3	dof(HMM:8.2e-36)
8562	321_2.R1084_frame1	dpb(HMM:1.6e-75)
8563	g3760217_frame2	dpb(HMM:1.9e-07)
8564	g568555_frame1	dpb(HMM:2.4e-08)
8565	LIB3433-019-P1-K1-A4_frame1	dpb(HMM:3.3e-07)
8566	13861_1.R1084_frame2	dpb(HMM:4.4e-08)
8567	4529_1.R1084_frame6	dpb(HMM:8.4)
8568	LIB3433-009-Q6-K1-F2_frame2	dpb(HMM:9.1e-08)
8569	321_6.R1084_frame2	dpb(HMM:9.5e-06)
8570	LIB3433-031-P1-K1-B2_frame3	enbp(HMM:1.1e-09)
8571	g4880919_frame1	gata(HMM:0.023)
8572	uC-osroM202001c10a1_frame1	gata(HMM:0.027)
8573	g2431491_frame2	gata(HMM:0.22)
8574	uC-osflcyp057d06b1_frame2	gata(HMM:1.9e-08)
8575	g2798782_frame1	gata(HMM:2.2e-14)
8576	23385_1.R1084_frame3	gata(HMM:2.7e-07)
8577	uC-osflcyp109f08b1_frame1	gata(HMM:4.3e-06)
8578	LIB3431-060-P1-K1-D6_frame1	gld-tea(HMM:0.042)
8579	LIB3434-018-P1-K1-D7_frame1	gld-tea(HMM:0.35)
8580	50521_1.R1084_frame6	gld-tea(HMM:0.43)
8581	uC-osrocyp028f03b1_frame1	gld-tea(HMM:1.2e-27)
8582	LIB3475-003-P1-K2-F4_frame3	gld-tea(HMM:1.3e-10)
8583	LIB3433-055-P1-K1-H1_frame1	gld-tea(HMM:2.1e-37)
8584	13229_1.R1084_frame1	gld-tea(HMM:2.9e-06)
8585	25505_1.R1084_frame1	gld-tea(HMM:3.4e-32)
8586	LIB3474-012-P1-K1-E2_frame3	gld-tea(HMM:3.4e-32)
8587	13862_1.R1084_frame1	gld-tea(HMM:3e-30)
8588	15158_1.R1084_frame1	gld-tea(HMM:5.1e-31)
8589	5854_1.R1084_frame1	gld-tea(HMM:6.7e-34)
8590	g287019_frame3	gld-tea(HMM:6.8e-30)
8591	uC-osflcyp026d03b1_frame3	gld-tea(HMM:6.8e-30)
8592	39607_1.R1084_frame3	gld-tea(HMM:9.7e-06)
8593	uC-osflcyp122c12b1_frame2	gld-tea(HMM:9.7e-32)
8594	LIB3477-009-P1-K1-B9_frame2	hhh(HMM:2.9e-07)
8595	20921_1.R1084_frame1	hist_deacetyl(HMM:0.064)
8596	g2800762_frame1	hist_deacetyl(HMM:0.5)
8597	31559_2.R1084_frame1	hist_deacetyl(HMM:0.89)
8598	uC-osflm202048g11b1_frame2	hist_deacetyl(HMM:1.2e-15)
8599	LIB3433-016-Q6-K6-F5_frame1	hist_deacetyl(HMM:1.7e-07)
8600	LIB3432-035-P2-K1-D11_frame2	hist_deacetyl(HMM:2.1e-06)
8601	LIB3431-063-P1-K1-F4_frame2	hist_deacetyl(HMM:4.5e-08)
8602	uC-osflm202109g01b1_frame3	hist_deacetyl(HMM:4.8e-09)
8603	uC-osrocyp027g06b1_frame2	histone(HMM:0.00012)

8604	uC-osrocyp032h06b1_frame2	histone(HMM:0.00024)
8605	666_4.R1084_frame1	histone(HMM:0.00029)
8606	uC-osrocyp032a11b1_frame3	histone(HMM:0.00045)
8607	g287222_frame1	histone(HMM:0.00078)
8608	666_8.R1084_frame1	histone(HMM:0.002)
8609	LIB3433-030-P1-K1-H8_frame3	histone(HMM:0.0031)
8610	uC-osrocyp002h02a1_frame4	histone(HMM:0.0046)
8611	g287109_frame3	histone(HMM:0.22)
8612	uC-osflcyp127d03a1_frame5	histone(HMM:0.48)
8613	LIB3479-006-Q6-K1-A3_frame1	histone(HMM:0.57)
8614	77294_1.R1084_frame3	histone(HMM:0.72)
8615	uC-osflcyp169e05b1_frame1	histone(HMM:1.1e-12)
8616	g2800771_frame3	histone(HMM:1.2e-14)
8617	706_1.R1084_frame1	histone(HMM:1.2e-24)
8618	g5816536_frame1	histone(HMM:1.2e-39)
8619	27043_1.R1084_frame2	histone(HMM:1.3e-20)
8620	g5816531_frame3	histone(HMM:1.3e-44)
8621	g2311469_frame2	histone(HMM:1.4e-46)
8622	666_9.R1084_frame2	histone(HMM:1.5e-13)
8623	g4715649_frame3	histone(HMM:1.5e-25)
8624	uC-osroM202014f03b1_frame2	histone(HMM:1.6e-20)
8625	g5816493_frame1	histone(HMM:1.6e-26)
8626	LIB3431-060-P1-K1-G8_frame2	histone(HMM:1.7e-32)
8627	uC-osroM202022f10b1_frame3	histone(HMM:1.7e-32)
8628	LIB3433-022-P1-K1-G1_frame3	histone(HMM:1.7e-48)
8629	5333_3.R1084_frame6	histone(HMM:1.7e-51)
8630	g3762651_frame1	histone(HMM:1.8e-05)
8631	g2312266_frame3	histone(HMM:1.8e-21)
8632	LIB3433-059-P1-K1-E2_frame1	histone(HMM:1.8e-45)
8633	LIB3433-035-P1-K1-G1_frame3	histone(HMM:1.9e-12)
8634	g2311284_frame3	histone(HMM:1.9e-28)
8635	g5816504_frame2	histone(HMM:1.9e-33)
8636	uC-osrocyp016d02b1_frame3	histone(HMM:1.9e-45)
8637	g2280892_frame2	histone(HMM:1e-26)
8638	LIB3432-051-P1-K1-E5_frame1	histone(HMM:1e-42)
8639	LIB3432-001-P1-K1-F5_frame1	histone(HMM:2.1e-05)
8640	uC-osflcyp120c02b1_frame3	histone(HMM:2.1e-17)
8641	LIB3433-044-P1-K1-F9_frame3	histone(HMM:2.1e-27)
8642	7629_3.R1084_frame3	histone(HMM:2.1e-35)
8643	g3763153_frame3	histone(HMM:2.2e-16)
8644	LIB3433-024-P1-K1-H7_frame3	histone(HMM:2.2e-32)
8645	705_1.R1084_frame2	histone(HMM:2.2e-46)
8646	uC-osflcyp058c11b1_frame3	histone(HMM:2.2e-46)
8647	g4715648_frame3	histone(HMM:2.4e-27)
8648	LIB3431-046-P1-K1-B8_frame3	histone(HMM:2.5e-37)
8649	LIB3433-055-P1-K1-B7_frame2	histone(HMM:2.7e-34)
8650	434_1.R1084_frame3	histone(HMM:2e-11)
8651	705_5.R1084_frame1	histone(HMM:2e-47)
8652	670_1.R1084_frame1	histone(HMM:3.2e-12)
8653	uC-osflcyp011g09b1_frame2	histone(HMM:3.4e-25)
8654	15653_1.R1084_frame1	histone(HMM:3.5e-51)
8655	267_2.R1084_frame3	histone(HMM:3.6e-47)
8656	267_3.R1084_frame2	histone(HMM:3.6e-47)
8657	267_4.R1084_frame1	histone(HMM:3.6e-47)

8658	267_5.R1084_frame1	histone(HMM:3.6e-47)
8659	705_10.R1084_frame2	histone(HMM:3.7e-45)
8660	g5803476_frame3	histone(HMM:3.9e-28)
8661	uC-osflcyp037h01b1_frame2	histone(HMM:4.8e-29)
8662	uC-osflcyp035e11b1_frame3	histone(HMM:4.8e-46)
8663	g5816488_frame1	histone(HMM:4.9e-43)
8664	g426955_frame1	histone(HMM:5.5e-05)
8665	uC-osrocyp002h02b1_frame3	histone(HMM:5.6e-18)
8666	LIB3432-018-P1-K1-G3_frame3	histone(HMM:5.7e-34)
8667	LIB3431-010-P1-K1-D11_frame2	histone(HMM:5.7e-36)
8668	g5816502_frame2	histone(HMM:5.7e-44)
8669	5333_1.R1084_frame5	histone(HMM:5.7e-50)
8670	705_4.R1084_frame2	histone(HMM:5.8e-46)
8671	g572044_frame1	histone(HMM:6.2e-38)
8672	uC-osrocyp025b04a1_frame6	histone(HMM:6.7e-21)
8673	LIB3433-014-Q6-K1-D4_frame1	histone(HMM:6.8e-23)
8674	uC-osflcyp049c12b1_frame3	histone(HMM:6.9e-09)
8675	705_2.R1084_frame2	histone(HMM:7.4e-46)
8676	666_10.R1084_frame3	histone(HMM:7.5e-19)
8677	666_11.R1084_frame3	histone(HMM:7.5e-19)
8678	666_12.R1084_frame2	histone(HMM:7.5e-19)
8679	666_14.R1084_frame1	histone(HMM:7.5e-19)
8680	666_15.R1084_frame2	histone(HMM:7.5e-19)
8681	666_17.R1084_frame3	histone(HMM:7.5e-19)
8682	666_5.R1084_frame1	histone(HMM:7.5e-19)
8683	666_6.R1084_frame3	histone(HMM:7.5e-19)
8684	705_11.R1084_frame2	histone(HMM:7.6e-44)
8685	267_8.R1084_frame1	histone(HMM:7.9e-11)
8686	666_7.R1084_frame3	histone(HMM:8.1e-13)
8687	960_1.R1084_frame3	histone(HMM:8.1e-41)
8688	g3763259_frame2	histone(HMM:8.3e-13)
8689	16996_1.R1084_frame2	histone(HMM:9.2e-46)
8690	16996_2.R1084_frame2	histone(HMM:9.2e-46)
8691	uC-osroM202014h03b1_frame3	histone(HMM:9.3)
8692	g4880864_frame3	histone(HMM:9.4e-13)
8693	267_1.R1084_frame1	histone(HMM:9.5e-47)
8694	434_2.R1084_frame2	histone(HMM:9.5e-47)
8695	g5816487_frame1	histone(HMM:9.5e-47)
8696	g5816491_frame2	histone(HMM:9.5e-47)
8697	g5816524_frame2	histone(HMM:9.5e-47)
8698	g5816566_frame2	histone(HMM:9.5e-47)
8699	uC-osflcyp013d01b1_frame2	histone(HMM:9.5e-47)
8700	uC-osflcyp021e08b1_frame1	histone(HMM:9.5e-47)
8701	uC-osrocyp027g11b1_frame1	histone(HMM:9.5e-47)
8702	705_3.R1084_frame1	histone(HMM:9.7e-47)
8703	g702652_frame3	hlh(HMM:0.00014)
8704	81247_1.R1084_frame1	hlh(HMM:0.0019)
8705	15051_1.R1084_frame1	hlh(HMM:0.0095)
8706	29653_1.R1084_frame2	hlh(HMM:0.012)
8707	jC-osleLIB3474037b08a1_frame6	hlh(HMM:0.026)
8708	LIB3434-053-P1-K1-F8_frame3	hlh(HMM:1.5e-07)
8709	62323_1.R1084_frame3	hlh(HMM:1.7e-08)

8710	g1086539_frame3	hlh(HMM:1.7e-15)
8711	59186_1.R1084_frame2	hlh(HMM:2.8e-06)
8712	g3107471_frame1	hlh(HMM:3.3e-08)
8713	1808_1.R1084_frame6	hlh(HMM:3.7e-06)
8714	4295_1.R1084_frame4	hlh(HMM:3.8e-10)
8715	33187_1.R1084_frame1	hlh(HMM:4.1e-14)
8716	11488_1.R1084_frame1	hlh(HMM:4.2e-14)
8717	g569497_frame3	hlh(HMM:4.5e-12)
8718	g1086541_frame1	hlh(HMM:4.8e-09)
8719	g5003540_frame3	hlh(HMM:6.2e-12)
8720	15298_1.R1084_frame3	hlh(HMM:8.9e-07)
8721	g5039098_frame2	hlh(HMM:9e-05)
8722	uC-osflcyp018f07b1_frame1	hmg_box(HMM:0.0033)
8723	g2800810_frame1	hmg_box(HMM:0.0057)
8724	uC-osflcyp073d12b1_frame1	hmg_box(HMM:0.0085)
8725	704_1.R1084_frame1	hmg_box(HMM:0.01)
8726	LIB3431-003-P1-K1-D12_frame1	hmg_box(HMM:0.49)
8727	LIB3431-043-P1-K1-A12_frame3	hmg_box(HMM:0.8)
8728	g3090528_frame3	hmg_box(HMM:1.2e-19)
8729	41330_1.R1084_frame3	hmg_box(HMM:1.5e-17)
8730	894_2.R1084_frame3	hmg_box(HMM:1.6e-05)
8731	g2442391_frame3	hmg_box(HMM:1.9e-11)
8732	LIB3431-044-P1-K1-F10_frame3	hmg_box(HMM:2.3e-05)
8733	g2442209_frame3	hmg_box(HMM:2.5e-22)
8734	g4878754_frame3	hmg_box(HMM:2.6e-20)
8735	g3767495_frame2	hmg_box(HMM:2.8e-28)
8736	LIB3434-047-P1-K1-D1_frame2	hmg_box(HMM:2.8e-28)
8737	uC-osroM202018f09b1_frame1	hmg_box(HMM:2.8e-28)
8738	LIB3433-020-P1-K1-H6_frame2	hmg_box(HMM:2.9e-25)
8739	g701542_frame3	hmg_box(HMM:2.9e-28)
8740	LIB3431-015-P1-K1-D9_frame1	hmg_box(HMM:2e-05)
8741	g4880979_frame3	hmg_box(HMM:2e-07)
8742	g4878390_frame1	hmg_box(HMM:3.3e-20)
8743	50300_1.R1084_frame4	hmg_box(HMM:3.4e-10)
8744	408_1.R1084_frame3	hmg_box(HMM:3.9e-24)
8745	LIB3431-015-P1-K1-D5_frame1	hmg_box(HMM:4.7e-22)
8746	LIB3431-010-P1-K1-C3_frame2	hmg_box(HMM:4.8e-20)
8747	894_1.R1084_frame3	hmg_box(HMM:5.2e-31)
8748	894_4.R1084_frame2	hmg_box(HMM:5.2e-31)
8749	LIB3433-043-P1-K1-G2_frame1	hmg_box(HMM:5.2e-31)
8750	g572169_frame1	hmg_box(HMM:5.4e-19)
8751	3604_1.R1084_frame5	hmg_box(HMM:5.9e-12)
8752	g701299_frame2	hmg_box(HMM:5.9e-18)
8753	26222_1.R1084_frame1	hmg_box(HMM:6.1)
8754	g425923_frame3	hmg_box(HMM:7.4e-19)
8755	22604_1.R1084_frame1	hmg_box(HMM:8.3e-18)
8756	g569750_frame1	hmg_box(HMM:8.8e-25)
8757	556_1.R1084_frame3	"homeobox(HMM:0.00017),homeobox_knox3(9.4e-40)"
8758	137_1.R1084_frame2	"homeobox(HMM:0.0027),homeobox_knox3(7.9e-36)"
8759	12099_1.R1084_frame2	"homeobox(HMM:0.0042),homeobox_knox3(7.9e-36)"

8760	38_1.R1084_frame3	obox_knox3(2.7e-12)" "homeobox(HMM:0.0076),home obox_knox3(5.7e-21)"
8761	39_2.R1084_frame1	"homeobox(HMM:0.0087),home obox_knox3(4.3e-23)"
8762	39_1.R1084_frame2	"homeobox(HMM:0.0087),home obox_knox3(7.3e-23)"
8763	40_1.R1084_frame2	"homeobox(HMM:0.0098),home obox_knox3(6.9e-21)"
8764	95453_1.R1084_frame1	"homeobox(HMM:0.023),homeo box_knox3(4.1e-12)"
8765	LIB3475-008-P1-K1-B6_frame2	homeobox(HMM:0.03)
8766	36_1.R1084_frame2	"homeobox(HMM:0.034),homeo box_knox3(1.0e-33)"
8767	g5103730_frame1	"homeobox(HMM:0.33),homeob ox_knox3(7.0e-30)"
8768	1062_1.R1084_frame3	homeobox(HMM:1.3e-19)
8769	268_1.R1084_frame1	homeobox(HMM:1.4e-17)
8770	g5006856_frame3	homeobox(HMM:1.5e-19)
8771	34_3.R1084_frame3	"homeobox(HMM:1.8e- 05),homeobox_knox3(5.2e-31)"
8772	25184_1.R1084_frame2	homeobox(HMM:2.4e-18)
8773	1063_1.R1084_frame2	homeobox(HMM:2.4e-20)
8774	34_1.R1084_frame3	"homeobox(HMM:3.1e- 05),homeobox_knox3(1.1e-37)"
8775	1061_1.R1084_frame1	homeobox(HMM:3.2e-16)
8776	268_2.R1084_frame2	homeobox(HMM:3.9e-17)
8777	uC-osflcyp029c12b1_frame1	homeobox(HMM:3e-06)
8778	g2310468_frame3	homeobox(HMM:4.2e-05)
8779	34_2.R1084_frame1	"homeobox(HMM:4.2e- 06),homeobox_knox3(4.5e-31)"
8780	g5006858_frame1	homeobox(HMM:4.2e-17)
8781	2872_1.R1084_frame5	"homeobox(HMM:4.4),homeobo x_knox3(3.2e-10)"
8782	g5038642_frame5	homeobox(HMM:4.7e-17)
8783	12768_1.R1084_frame1	homeobox(HMM:6.6e-19)
8784	LIB3433-009-Q6-K1-C9_frame3	hsf_dna-bind(HMM:0.00017)
8785	70825_1.R1084_frame1	hsf_dna-bind(HMM:1.6e-12)
8786	g5003430_frame1	hsf_dna-bind(HMM:1.8e-05)
8787	LIB3474-012-P1-K1-B8_frame3	hsf_dna-bind(HMM:3.3e-14)
8788	g2280919_frame3	iaa(HMM:0.00026)
8789	52168_1.R1084_frame5	iaa(HMM:0.001)
8790	g571933_frame1	iaa(HMM:0.002)
8791	LIB3434-064-P1-K1-E7_frame1	iaa(HMM:0.0064)
8792	g426000_frame1	iaa(HMM:0.012)
8793	LIB3479-005-Q6-K1-H6_frame1	iaa(HMM:0.033)
8794	39441_1.R1084_frame5	iaa(HMM:0.11)
8795	g3107788_frame1	iaa(HMM:0.28)
8796	21437_1.R1084_frame2	iaa(HMM:1.1e-38)
8797	17191_1.R1084_frame3	iaa(HMM:1.1e-51)
8798	uC-osflcyp010g02b1_frame2	iaa(HMM:1.2e-06)
8799	uC-osflcyp159g02b1_frame3	iaa(HMM:1.2e-06)
8800	20063_1.R1084_frame2	iaa(HMM:1.2e-07)
8801	g3761829_frame1	iaa(HMM:1.2e-25)

8802	13796_1.R1084_frame2	iaa(HMM:1.4e-35)
8803	69310_1.R1084_frame3	iaa(HMM:1.5e-22)
8804	uC-osflM202069c04a1_frame6	iaa(HMM:1.6e-06)
8805	LIB3431-001-P1-K1-G12_frame3	iaa(HMM:1.6e-08)
8806	39267_1.R1084_frame5	iaa(HMM:2.1e-10)
8807	LIB3431-025-P1-K1-F7_frame2	iaa(HMM:2.2)
8808	13796_2.R1084_frame3	iaa(HMM:2.3e-10)
8809	57634_1.R1084_frame1	iaa(HMM:2.8)
8810	24711_1.R1084_frame6	iaa(HMM:2e-05)
8810	24711_1.R1084_frame6	iaa(HMM:2e-05)
8811	23354_1.R1084_frame2	iaa(HMM:3.4e-07)
8812	LIB3433-008-Q6-K1-G9_frame2	iaa(HMM:3.6e-37)
8813	g4715376_frame3	iaa(HMM:4.2e-07)
8814	36294_1.R1084_frame1	iaa(HMM:4.2e-37)
8815	2544_1.R1084_frame6	iaa(HMM:4e-53)
8816	g3769143_frame2	iaa(HMM:5.8e-09)
8817	g3762995_frame2	iaa(HMM:6.7e-05)
8818	LIB3479-002-Q6-K2-G11_frame3	iaa(HMM:6.7e-06)
8819	7253_2.R1084_frame1	iaa(HMM:6.8e-17)
8820	g3061262_frame3	iaa(HMM:7.1e-10)
8821	g4969224_frame3	iaa(HMM:7.6e-05)
8822	uC-osrocyp006a05b1_frame2	ibr(HMM:0.00063)
8823	uC-osflcyp174e03a1_frame4	ibr(HMM:0.00092)
8824	44656_1.R1084_frame1	ibr(HMM:7.9e-18)
8825	uC-osflcyp061g02b1_frame1	"k-box(HMM:0.00056),srf-tf(HMM:5.3e-34)"
8826	368_1.R1084_frame1	"k-box(HMM:1.1e-38),srf-tf(HMM:5.6e-38)"
8827	15_1.R1084_frame3	"k-box(HMM:1.2e-10),srf-tf(HMM:1.5e-29)"
8828	542_1.R1084_frame2	"k-box(HMM:1.2e-39),srf-tf(HMM:1.9e-35)"
8829	17_1.R1084_frame2	"k-box(HMM:1.8e-17),srf-tf(HMM:1.9e-36)"
8830	888_1.R1084_frame3	"k-box(HMM:1.9e-30),srf-tf(HMM:3.1e-36)"
8831	1084_1.R1084_frame3	"k-box(HMM:2.2e-42),srf-tf(HMM:5e-35)"
8832	939_2.R1084_frame2	"k-box(HMM:3.5e-13),srf-tf(HMM:3.6e-35)"
8833	941_1.R1084_frame2	"k-box(HMM:3.6e-35),srf-tf(HMM:6.1e-36)"
8834	947_1.R1084_frame3	"k-box(HMM:4.6e-35),srf-tf(HMM:4.4e-37)"
8835	368_2.R1084_frame1	"k-box(HMM:5.2e-41),srf-tf(HMM:5.6e-38)"
8836	1053_1.R1084_frame3	"k-box(HMM:5.5e-29),srf-tf(HMM:1.2e-37)"
8837	1033_2.R1084_frame1	"k-box(HMM:5.5e-44),srf-tf(HMM:2.7e-38)"
8838	LIB3433-028-P1-K1-D8_frame1	k-box(HMM:5.7e-07)
8839	557_1.R1084_frame1	"k-box(HMM:5e-38),srf-

8840	13_1.R1084_frame2	tf(HMM:3.7e-38)"
8841	g6650549_frame2	"k-box(HMM:6e-42),srf- tf(HMM:4.2e-38)"
8842	uC-osflcyp152d12b1_frame3	"k-box(HMM:7.3e-37),srf- tf(HMM:3.3e-35)"
8843	g2443206_frame2	"k-box(HMM:8.3e-05),srf- tf(HMM:1.9e-35)"
8844	1054_1.R1084_frame3	"k-box(HMM:8e-28),srf- tf(HMM:2.6e-34)"
8845	14_1.R1084_frame2	"k-box(HMM:9.3e-40),srf- tf(HMM:5.6e-38)"
8846	12_1.R1084_frame3	"k-box(HMM:9.7e-16),srf- tf(HMM:3.1e-32)"
8847	33471_1.R1084_frame2	lim(HMM:0.00033)
8848	36105_1.R1084_frame5	lim(HMM:1.1e-10)
8849	29906_1.R1084_frame2	lim(HMM:1.4e-14)
8850	32464_1.R1084_frame2	lim(HMM:3.6e-16)
8851	47245_1.R1084_frame3	lim(HMM:4.8e-13)
8852	15955_1.R1084_frame1	lim(HMM:5.1e-14)
8853	uC-osflcyp029_frame2	lim(HMM:8.2e-15)
8854	29109_1.R1084_frame2	lim(HMM:9.9e-30)
8855	10135_1.R1084_frame3	linker_histone(HMM:0.00041)
8856	g4880179_frame3	linker_histone(HMM:0.0033)
8857	58045_2.R1084_frame3	linker_histone(HMM:0.014),myb dna-binding(HMM:0.00018)"
8858	g3106829_frame2	linker_histone(HMM:0.023)
8859	uC-osflcyp033a05b1_frame2	linker_histone(HMM:0.65)
8860	6443_2.R1084_frame1	linker_histone(HMM:1.2e-40)
8861	6443_1.R1084_frame2	linker_histone(HMM:1.6e-22)
8862	1650_1.R1084_frame4	linker_histone(HMM:1.7e-29)
8863	g3768078_frame1	linker_histone(HMM:2.5e-07)
8864	361_1.R1084_frame2	linker_histone(HMM:3.4e-27)
8865	565_1.R1084_frame3	linker_histone(HMM:3e-20)
8866	24136_1.R1084_frame2	linker_histone(HMM:4.2e-35)
8867	316_1.R1084_frame1	linker_histone(HMM:5.5e-20)
8868	361_2.R1084_frame3	linker_histone(HMM:7.3e-13)
8869	361_8.R1084_frame2	linker_histone(HMM:8.1e-24)
8870	11900_1.R1084_frame2	linker_histone(HMM:0.0083)
8871	uC-osflcyp02109f10b1_frame1	myb_dna-binding(HMM:0.00083)
8872	g5038822_frame2	myb_dna-binding(HMM:0.0059)
8873	LIB3432-060-P1-K1-G9_frame1	myb_dna-binding(HMM:0.011)
8874	29944_1.R1084_frame1	myb_dna-binding(HMM:0.032)
8875	uC-osflcyp085a07b1_frame1	myb_dna-binding(HMM:0.053)
8876	2963_2.R1084_frame5	myb_dna-binding(HMM:0.063)
8877	uC-osroM202011d03b1_frame1	myb_dna-binding(HMM:0.081)
8878	25807_1.R1084_frame1	myb_dna-binding(HMM:0.11)
8879	g2427551_frame1	myb_dna-binding(HMM:0.13)
8880	g3761372_frame3	myb_dna-binding(HMM:0.21)
8881	g3768333_frame3	myb_dna-binding(HMM:0.35)
8882	LIB3475-005-P1-K1-C3_frame3	myb_dna-binding(HMM:1.1e-08)

8883	uC-osflcyp144f11b1_frame2	myb_dna-binding(HMM:1.1e-08)
8884	36633_1.R1084_frame6	myb_dna-binding(HMM:1.1e-11)
8885	uC-osflcyp029f12b1_frame2	myb_dna-binding(HMM:1.1e-17)
8886	uC-osflm202106g04b1_frame2	myb_dna-binding(HMM:1.1e-18)
8887	uC-osflcyp037e12b1_frame1	myb_dna-binding(HMM:1.1e-19)
8888	57759_1.R1084_frame3	myb_dna-binding(HMM:1.1e-23)
8889	g4138298_frame1	myb_dna-binding(HMM:1.1e-38)
8890	g2943795_frame1	myb_dna-binding(HMM:1.2e-14)
8891	15286_1.R1084_frame1	myb_dna-binding(HMM:1.2e-16)
8892	uC-osflcyp159c11b1_frame1	myb_dna-binding(HMM:1.3e-45)
8893	g1946266_frame2	myb_dna-binding(HMM:1.4e-46)
8894	62726_1.R1084_frame1	myb_dna-binding(HMM:1.6)
8895	g428572_frame2	myb_dna-binding(HMM:1.6e-05)
8896	66726_1.R1084_frame2	myb_dna-binding(HMM:1.7)
8897	52906_1.R1084_frame3	myb_dna-binding(HMM:1.7e-34)
8898	g1945280_frame1	myb_dna-binding(HMM:1.8e-42)
8899	g2605618_frame3	myb_dna-binding(HMM:1.8e-45)
8900	g2943796_frame1	myb_dna-binding(HMM:1e-11)
8901	g1945278_frame1	myb_dna-binding(HMM:1e-43)
8902	6098_1.R1084_frame2	myb_dna-binding(HMM:2.2)
8903	uC-osflcyp039g02b1_frame3	myb_dna-binding(HMM:2.2e-13)
8904	5500_1.R1084_frame6	myb_dna-binding(HMM:2.5e-18)
8905	uC-osflcyp110b03b1_frame2	myb_dna-binding(HMM:2.7)
8906	g2943797_frame1	myb_dna-binding(HMM:2.8e-11)
8907	62069_1.R1084_frame2	myb_dna-binding(HMM:2e-25)
8908	254_1.R1084_frame3	myb_dna-binding(HMM:2e-43)
8909	g2605620_frame1	myb_dna-binding(HMM:3.5e-41)
8910	283_1.R1084_frame3	myb_dna-binding(HMM:3.5e-45)
8911	72799_1.R1084_frame3	myb_dna-binding(HMM:3.6e-20)
8912	g2442373_frame1	myb_dna-binding(HMM:3.8e-05)
8913	201_1.R1084_frame1	myb_dna-binding(HMM:4.3e-46)
8914	g2605624_frame2	myb_dna-binding(HMM:4.9e-40)
8915	uC-osrocyp014d02b1_frame1	myb_dna-binding(HMM:5.1e-22)
8916	g2943794_frame1	myb_dna-binding(HMM:5.3e-12)
8917	96537_1.R1084_frame3	myb_dna-binding(HMM:5.7e-06)
8918	g569489_frame1	myb_dna-binding(HMM:5.9e-11)
8919	2963_1.R1084_frame4	myb_dna-binding(HMM:6.7e-05)
8920	LIB3477-010-P1-K1-A3_frame2	myb_dna-binding(HMM:6.8e-23)
8921	g2943798_frame1	myb_dna-binding(HMM:6e-12)
8922	LIB3433-019-P1-K1-H3_frame3	myb_dna-binding(HMM:7.3e-09)
8923	g2431275_frame1	myb_dna-binding(HMM:7.3e-42)
8924	LIB3434-054-P1-K1-G7_frame1	myb_dna-binding(HMM:7.6e-19)
8925	LIB3433-021-P1-K1-E2_frame2	myb_dna-binding(HMM:7.9e-05)
8926	g2605622_frame1	myb_dna-binding(HMM:8.6e-37)
8927	LIB3434-018-P1-K1-F3_frame2	myb_dna-binding(HMM:8e-41)
8928	g1945282_frame3	myb_dna-binding(HMM:9.8e-41)
8929	uC-osflcyp108a02b1_frame1	nam(HMM:0.00028)
8930	g2280766_frame1	nam(HMM:0.0019)
8931	LIB3432-025-P1-K1-C4_frame1	nam(HMM:0.0035)
8932	g700446_frame2	nam(HMM:0.0052)
8933	g426135_frame2	nam(HMM:0.0058)
8934	g3462546_frame3	nam(HMM:0.031)
8935	uC-osroM202007c05b1_frame3	nam(HMM:0.14)
8936	58401_1.R1084_frame2	nam(HMM:1.2e-77)

8937	73288_1.R1084_frame2	nam(HMM:1.4e-06)
8938	uC-osroM202017g09a1_frame1	nam(HMM:1.4e-06)
8939	69232_1.R1084_frame1	nam(HMM:1.5e-18)
8940	23606_1.R1084_frame1	nam(HMM:1.9e-06)
8941	77469_1.R1084_frame3	nam(HMM:1.9e-07)
8942	45084_1.R1084_frame1	nam(HMM:2.1)
8943	LIB3431-001-P1-K1-G9_frame2	nam(HMM:2.1e-05)
8944	LIB3432-002-P1-K1-B11_frame2	nam(HMM:2.1e-12)
8945	g2310551_frame3	nam(HMM:2.5)
8946	LIB3477-009-P1-K1-E12_frame2	nam(HMM:2.7e-08)
8947	LIB3432-002-P1-K1-B6_frame1	nam(HMM:3.1e-36)
8948	86873_1.R1084_frame1	nam(HMM:3.2e-08)
8949	8308_1.R1084_frame2	nam(HMM:3.7e-07)
8950	32554_1.R1084_frame1	nam(HMM:3.8e-73)
8951	LIB3434-009-P1-K1-B11_frame1	nam(HMM:3.9e-10)
8952	g3762088_frame6	nam(HMM:4.3e-57)
8953	uC-osroM202005c08b1_frame3	nam(HMM:4.8e-07)
8954	uC-osroM202029c07b1_frame3	nam(HMM:4.9e-32)
8955	26933_1.R1084_frame1	nam(HMM:5.2e-40)
8956	g5003897_frame2	nam(HMM:5.3e-18)
8957	uC-osflcyp142b08b1_frame1	nam(HMM:5.4e-41)
8958	42911_1.R1084_frame3	nam(HMM:6.1e-21)
8959	g3768398_frame3	nam(HMM:6.5e-27)
8960	11904_1.R1084_frame1	nam(HMM:6.5e-42)
8961	41770_1.R1084_frame2	nam(HMM:6.8e-06)
8962	10326_1.R1084_frame1	nam(HMM:7.5)
8963	8132_1.R1084_frame2	nam(HMM:7e-32)
8964	uC-osrocyp010a11b1_frame3	nam(HMM:8.3e-08)
8965	60369_1.R1084_frame2	nam(HMM:8.9e-42)
8966	2878_1.R1084_frame6	nam(HMM:8e-83)
8967	14254_1.R1084_frame1	nam(HMM:9.2e-83)
8968	17383_1.R1084_frame2	nap_family(HMM:0.014)
8969	g4715450_frame2	nap_family(HMM:0.024)
8970	g5004085_frame3	nap_family(HMM:4.6e-07)
8971	26430_1.R1084_frame1	nap_family(HMM:5.2e-11)
8972	g3107495_frame2	nap_family(HMM:9.7e-05)
8973	23048_1.R1084_frame2	nap_family(HMM:9.9e-134)
8974	473_3.R1084_frame1	phd(HMM:0.00026)
8975	4628_1.R1084_frame6	phd(HMM:0.00027)
8976	21284_1.R1084_frame2	phd(HMM:0.0036)
8977	30447_1.R1084_frame3	phd(HMM:0.047)
8978	806_1.R1084_frame3	phd(HMM:0.049)
8979	g3107408_frame2	phd(HMM:0.052)
8980	LIB3432-044-P1-K1-F12_frame1	phd(HMM:0.66)
8981	71359_1.R1084_frame1	phd(HMM:1.5e-11)
8982	15349_1.R1084_frame2	phd(HMM:1e-05)
8983	834_1.R1084_frame1	phd(HMM:2.5e-13)
8984	g2310253_frame2	phd(HMM:2.8e-12)
8985	33858_1.R1084_frame1	phd(HMM:3.2e-10)
8986	LIB3475-001-P1-K2-A6_frame3	phd(HMM:4.6e-05)
8987	g2310356_frame1	phd(HMM:4.9e-13)

8988	33805_1.R1084_frame3	phd(HMM:5.5e-07)
8989	3817_1.R1084_frame5	phd(HMM:8.7e-12)
8990	6912_2.R1084_frame1	response_reg(HMM:0.0024)
8991	g428412_frame3	response_reg(HMM:0.0046)
8992	18941_1.R1084_frame2	response_reg(HMM:0.13)
8993	g428793_frame2	response_reg(HMM:0.25)
8994	g2310482_frame3	response_reg(HMM:0.46)
8995	6694_1.R1084_frame2	response_reg(HMM:1.1e-29)
8996	27227_1.R1084_frame3	response_reg(HMM:2.5e-33)
8997	65600_1.R1084_frame2	response_reg(HMM:6.7e-05)
8998	uC-osflcyp152a08b1_frame3	response_reg(HMM:6e-36)
8999	30154_1.R1084_frame2	response_reg(HMM:8.8e-10)
9000	uC-osflM202098d12b1_frame3	response_reg(HMM:8e-08)
9001	57553_1.R1084_frame2	sbpb(HMM:0.00027)
9002	g3060979_frame3	sbpb(HMM:0.00029)
9003	g2427896_frame2	sbpb(HMM:0.0017)
9004	LIB3431-005-P1-K1-A11_frame2	sbpb(HMM:1.2e-07)
9005	uC-osflcyp111h05b1_frame2	sbpb(HMM:4e-22)
9006	413_1.R1084_frame4	sbpb(HMM:4e-41)
9007	LIB3431-003-P1-K1-F10_frame2	scr(HMM:0.00012)
9008	g2428032_frame2	scr(HMM:0.00014)
9009	g2800755_frame2	scr(HMM:0.0015)
9010	LIB3475-010-P1-K1-G4_frame3	scr(HMM:0.013)
9011	LIB3475-004-P1-K2-A7_frame2	scr(HMM:0.034)
9012	3411_1.R1084_frame4	scr(HMM:0.11)
9013	LIB3434-055-P1-K1-A3_frame1	scr(HMM:0.24)
9014	uC-osflcyp154e07b1_frame1	scr(HMM:1.9e-12)
9015	58370_1.R1084_frame2	scr(HMM:2.2e-08)
9016	16838_1.R1084_frame1	scr(HMM:2.3e-05)
9017	869_1.R1084_frame2	scr(HMM:2.4e-09)
9018	92707_1.R1084_frame1	scr(HMM:2e-24)
9019	g1632595_frame3	scr(HMM:4.8e-10)
9020	uC-osroM202029e07a1_frame4	scr(HMM:5.5)
9021	47013_1.R1084_frame5	scr(HMM:8.5e-19)
9022	uC-osflM202039c07b1_frame4	scr(HMM:8.8e-13)
9023	LIB3434-040-P1-K1-A12_frame2	scr(HMM:9.3e-30)
9024	LIB3433-008-Q6-K1-D12_frame3	set(HMM:0.0009)
9025	g286292_frame3	set(HMM:0.29)
9026	g3767459_frame2	set(HMM:1.3e-10)
9027	LIB3474-011-P1-K1-F11_frame3	set(HMM:1.6e-07)
9028	g6024918_frame5	set(HMM:2.3e-05)
9029	13697_1.R1084_frame3	set(HMM:2.8e-40)
9030	69773_1.R1084_frame3	set(HMM:3.2e-14)
9031	34943_1.R1084_frame5	set(HMM:7.2e-06)
9032	LIB3434-021-P1-K1-B11_frame3	set(HMM:7.5e-52)
9033	uC-osflM202075a05b1_frame2	snf2_n(HMM:0.00023)
9034	uC-osflM202106b05b1_frame3	snf2_n(HMM:0.017)
9035	10281_1.R1084_frame2	snf2_n(HMM:1.8e-13)
9036	g4878434_frame2	snf2_n(HMM:2.9e-28)
9037	LIB3432-034-P2-K1-D8_frame2	snf2_n(HMM:3e-10)

9090	LIB3431-058-P1-K1-A3_frame1	wrky(HMM:3.7)
9091	1072_1.R1084_frame1	wrky(HMM:3.7e-77)
9092	LIB3432-012-P1-K1-F1_frame1	wrky(HMM:3e-44)
9093	26004_1.R1084_frame1	wrky(HMM:4.1e-15)
9094	g4715891_frame3	wrky(HMM:5.4e-12)
9095	54054_1.R1084_frame3	wrky(HMM:7e-40)
9096	24687_1.R1084_frame2	wrky(HMM:9.5e-07)
9097	48654_1.R1084_frame3	"zf-b_box(HMM:0.0044),zf-constans(HMM:6e-28)"
9098	6_1.R1084_frame2	"zf-b_box(HMM:0.0085),zf-constans(HMM:1.6e-19)"
9099	7_1.R1084_frame2	"zf-b_box(HMM:0.013),zf-constans(HMM:2e-40)"
9100	5_1.R1084_frame2	"zf-b_box(HMM:0.049),zf-constans(HMM:1.4e-39)"
9101	2_1.R1084_frame1	"zf-b_box(HMM:0.057),zf-constans(HMM:8.2e-39)"
9102	3_1.R1084_frame1	"zf-b_box(HMM:6.3e-05),zf-constans(HMM:4.5e-42)"
9103	52914_1.R1084_frame2	zf-c2h2(HMM:0.00058)
9104	LIB3433-031-P1-K1-B4_frame1	zf-c2h2(HMM:0.023)
9105	34727_1.R1084_frame4	zf-c2h2(HMM:0.03)
9106	g5607479_frame2	zf-c2h2(HMM:0.041)
9107	45631_1.R1084_frame5	zf-c2h2(HMM:1.3e-09)
9108	uC-osroM202007h05b1_frame3	zf-c2h2(HMM:1.3e-09)
9109	16349_1.R1084_frame3	zf-c2h2(HMM:1.3e-10)
9110	LIB3477-009-P1-K1-E9_frame3	zf-c2h2(HMM:2.3e-05)
9111	1503_1.R1084_frame4	zf-c2h2(HMM:4.8e-06)
9112	g3760342_frame3	zf-c2h2(HMM:5.9e-09)
9113	16755_1.R1084_frame3	zf-c3hc4(HMM:0.00015)
9114	LIB3433-017-Q6-K1-C1_frame3	zf-c3hc4(HMM:0.00022)
9115	g3767877_frame1	zf-c3hc4(HMM:0.00026)
9116	uC-osflcyp120h01b1_frame2	zf-c3hc4(HMM:0.00091)
9117	uC-osflcyp162h01b1_frame3	zf-c3hc4(HMM:0.0012)
9118	LIB3432-023-P1-K1-D7_frame3	zf-c3hc4(HMM:0.0016)
9119	g2309927_frame3	zf-c3hc4(HMM:0.0017)
9120	uC-osflm202108h12b1_frame5	zf-c3hc4(HMM:0.0021)
9121	g2309767_frame2	zf-c3hc4(HMM:0.0024)
9122	67501_1.R1084_frame1	zf-c3hc4(HMM:0.0027)
9123	22342_1.R1084_frame3	zf-c3hc4(HMM:0.0033)
9124	22156_1.R1084_frame2	zf-c3hc4(HMM:0.0036)
9125	LIB3431-048-P1-N1-C5_frame4	zf-c3hc4(HMM:0.0038)
9126	52198_1.R1084_frame5	zf-c3hc4(HMM:0.0042)
9127	g2429020_frame3	zf-c3hc4(HMM:0.0042)
9128	uC-osflm202066e03b1_frame2	zf-c3hc4(HMM:0.0044)
9129	LIB3432-009-P1-K1-C1_frame1	zf-c3hc4(HMM:0.0047)
9130	LIB3431-038-P1-K1-C11_frame2	zf-c3hc4(HMM:0.0049)
9131	LIB3431-024-P1-N1-G12_frame4	zf-c3hc4(HMM:0.0052)
9132	uC-osflcyp017e04b1_frame3	zf-c3hc4(HMM:0.0061)
9133	76997_1.R1084_frame2	zf-c3hc4(HMM:0.0092)
9134	uC-osflcyp170d03b1_frame1	zf-c3hc4(HMM:0.013)
9135	47632_1.R1084_frame1	zf-c3hc4(HMM:0.015)

9136	g4715309_frame3	zf-c3hc4(HMM:0.015)
9137	18509_1.R1084_frame2	zf-c3hc4(HMM:0.019)
9138	18890_1.R1084_frame1	zf-c3hc4(HMM:0.019)
9139	LIB3434-055-P1-K1-B3_frame2	zf-c3hc4(HMM:0.021)
9140	20000_1.R1084_frame2	zf-c3hc4(HMM:0.027)
9141	g286281_frame3	zf-c3hc4(HMM:0.027)
9142	g3760607_frame2	zf-c3hc4(HMM:0.027)
9143	g4968908_frame3	zf-c3hc4(HMM:0.038)
9144	87838_1.R1084_frame2	zf-c3hc4(HMM:0.072)
9145	uC-osflcyp050c09a1_frame6	zf-c3hc4(HMM:0.072)
9146	uC-osroM202027a06a1_frame3	zf-c3hc4(HMM:0.072)
9147	uC-osflcyp174e03b1_frame2	zf-c3hc4(HMM:0.095)
9148	14933_1.R1084_frame3	zf-c3hc4(HMM:0.18)
9149	14933_2.R1084_frame1	zf-c3hc4(HMM:0.18)
9150	uC-osflcyp115d03a1_frame5	zf-c3hc4(HMM:0.47)
9151	LIB3477-007-P1-K1-E7_frame2	zf-c3hc4(HMM:1.1e-08)
9152	47459_1.R1084_frame2	zf-c3hc4(HMM:1.1e-09)
9153	12231_1.R1084_frame2	zf-c3hc4(HMM:1.2e-06)
9154	uC-osflcyp009g02b1_frame3	zf-c3hc4(HMM:1.2e-06)
9155	1499_1.R1084_frame4	zf-c3hc4(HMM:1.2e-08)
9156	g2427787_frame2	zf-c3hc4(HMM:1.2e-09)
9157	LIB3433-022-P1-K1-G8_frame1	zf-c3hc4(HMM:1.3e-07)
9158	g2312701_frame1	zf-c3hc4(HMM:1.3e-08)
9159	11646_1.R1084_frame2	zf-c3hc4(HMM:1.4)
9160	uC-osrocyp003g03a1_frame4	zf-c3hc4(HMM:1.4)
9161	15093_1.R1084_frame2	zf-c3hc4(HMM:1.5)
9162	54088_1.R1084_frame1	zf-c3hc4(HMM:1.7e-07)
9163	20240_1.R1084_frame3	zf-c3hc4(HMM:1.7e-12)
9164	LIB3433-011-Q6-K1-F4_frame3	zf-c3hc4(HMM:1.7e-12)
9165	20366_1.R1084_frame3	zf-c3hc4(HMM:1.8e-10)
9166	uC-osrocyp003g06a1_frame2	zf-c3hc4(HMM:1e-09)
9167	g2311727_frame1	zf-c3hc4(HMM:2.4e-11)
9168	53008_1.R1084_frame3	zf-c3hc4(HMM:2.5e-08)
9169	35244_1.R1084_frame4	zf-c3hc4(HMM:2.6e-07)
9170	4677_1.R1084_frame6	zf-c3hc4(HMM:2.8e-10)
9171	16612_1.R1084_frame2	zf-c3hc4(HMM:2.9e-11)
9172	18218_1.R1084_frame2	zf-c3hc4(HMM:2e-10)
9173	3841_1.R1084_frame5	zf-c3hc4(HMM:2e-12)
9174	78518_1.R1084_frame2	zf-c3hc4(HMM:3.4e-08)
9175	16696_2.R1084_frame1	zf-c3hc4(HMM:3.5e-09)
9176	11602_1.R1084_frame2	zf-c3hc4(HMM:3.6e-06)
9177	g428862_frame3	zf-c3hc4(HMM:3.6e-07)
9178	LIB3434-017-P1-K1-A10_frame3	zf-c3hc4(HMM:3.6e-08)
9179	2624_1.R1084_frame5	zf-c3hc4(HMM:3.8e-06)
9180	uC-osrocyp036f12b1_frame2	zf-c3hc4(HMM:3.8e-10)
9181	21895_1.R1084_frame3	zf-c3hc4(HMM:3.8e-11)
9182	uC-osrocyp036f02b1_frame2	zf-c3hc4(HMM:4.1e-10)
9183	43821_1.R1084_frame2	zf-c3hc4(HMM:4.4e-11)
9184	g4878432_frame2	zf-c3hc4(HMM:4.6e-10)
9185	29823_1.R1084_frame1	zf-c3hc4(HMM:4.8e-06)
9186	2844_1.R1084_frame6	zf-c3hc4(HMM:4.9e-10)
9187	uC-osrocyp008g04a1_frame5	zf-c3hc4(HMM:5e-05)
9188	71198_1.R1084_frame2	zf-c3hc4(HMM:5e-11)

9189	924_1.R1084_frame1	zf-c3hc4(HMM:6.4e-10)
9190	19029_1.R1084_frame3	zf-c3hc4(HMM:7.4e-07)
9191	20812_1.R1084_frame1	zf-c3hc4(HMM:7e-05)
9192	3244_1.R1084_frame4	zf-c3hc4(HMM:8.2e-09)
9193	uC-osfIM202061g07b1_frame3	zf-c3hc4(HMM:8.5e-12)
9194	25531_1.R1084_frame1	zf-c3hc4(HMM:9.6e-08)
9195	25531_2.R1084_frame1	zf-c3hc4(HMM:9.6e-08)
9196	21411_1.R1084_frame2	zf-c3hc4(HMM:9.8e-05)
9197	LIB3474-003-P1-K1-G2_frame3	zf-c3hc4(HMM:9.9e-09)
9198	g4969130_frame2	zf-ccch(HMM:0.00027)
9199	g2801257_frame1	zf-ccch(HMM:0.00029)
9200	uC-osroM202029c04b1_frame1	zf-ccch(HMM:0.0051)
9201	14796_1.R1084_frame1	zf-ccch(HMM:0.2)
9202	964_1.R1084_frame1	zf-ccch(HMM:1.4e-08)
9203	965_1.R1084_frame3	zf-ccch(HMM:1.7e-08)
9204	g1631940_frame1	zf-ccch(HMM:3.7e-06)
9205	LIB3431-024-P1-K1-G12_frame2	zf-ccch(HMM:3.9e-10)
9206	51043_1.R1084_frame6	zf-ccch(HMM:4.4e-09)
9207	32357_1.R1084_frame2	zf-ccch(HMM:5.1e-09)
9208	g2428543_frame3	zf-ccch(HMM:6.7e-09)
9209	LIB3474-006-P1-K1-A5_frame1	zf-cchc(HMM:0.0001)
9210	uC-osfIM202020g01b1_frame1	zf-cchc(HMM:0.00062)
9211	5084_1.R1084_frame5	zf-cchc(HMM:0.0047)
9212	62211_1.R1084_frame3	zf-cchc(HMM:0.015)
9213	101595_1.R1084_frame2	zf-cchc(HMM:1.1e-05)
9214	g286337_frame4	zf-cchc(HMM:1.3e-05)
9215	LIB3434-029-P1-K1-D7_frame1	zf-cchc(HMM:1.8e-22)
9216	21958_1.R1084_frame2	zf-cchc(HMM:2.1e-16)
9217	3851_1.R1084_frame5	zf-cchc(HMM:2.2e-10)
9218	g2311551_frame3	zf-cchc(HMM:2e-06)
9219	g286705_frame3	zf-cchc(HMM:3.1e-05)
9220	3770_1.R1084_frame6	zf-cchc(HMM:3.4e-05)
9221	g2800841_frame2	zf-cchc(HMM:3.7e-11)
9222	24304_1.R1084_frame3	zf-cchc(HMM:4.7e-28)
9223	LIB3433-037-P1-K1-F2_frame1	zf-cchc(HMM:5.6e-05)
9224	7792_1.R1084_frame1	zf-cchc(HMM:6.7e-05)
9225	LIB3599-001-P1-K6-H9_frame2	zf-cchc(HMM:6.8e-06)
9226	uC-osflcyp173f05b1_frame2	zf-cchc(HMM:7.7e-06)
9227	LIB3432-017-P1-K1-C3_frame3	zf-cchc(HMM:9.5e-06)
9228	uC-osflcyp173f04b1_frame2	zf-constans(HMM:0.48)
9229	LIB3474-001-P1-K1-C3_frame2	zf-constans(HMM:1.3e-12)
9230	2_2.R1084_frame3	zf-constans(HMM:2.3e-39)
9231	1_1.R1084_frame3	zf-constans(HMM:2.5e-28)
9232	LIB3474-003-P1-K1-B7_frame3	zf-constans(HMM:3.5e-15)
9233	LIB3433-026-P1-K1-D1_frame2	zf-constans(HMM:4.5e-18)
9234	2_4.R1084_frame2	zf-constans(HMM:6.7e-37)
9235	uC-osroM202022c01b1_frame3	zf-mynd(HMM:0.0038)
9236	LIB3434-065-P1-K1-B5_frame2	zf-mynd(HMM:0.029)
9237	LIB3431-021-P1-K1-B10_frame2	zf-mynd(HMM:2.9e-11)
9238	g2428360_frame1	zf-mynd(HMM:4.2e-11)
9239	14089_1.R1084_frame3	zz(HMM:0.011)
9240	27898_1.R1084_frame2	zz(HMM:0.078)

zz(HMM:2.5e-05)

[illegible]

Table 7. Nucleic acid sequences encoding transcription factors from rice

SEQ NUM	SEQ ID	Family/Method/E-value
9242	g4968705	14-3-3(HMM:0.00012)
9243	LIB3434-064-P1-K1-F6	14-3-3(HMM:0.00056)
9244	617_5.R1084	14-3-3(HMM:0.00059)
9245	uC-osroM202032b04b1	14-3-3(HMM:0.0012)
9246	uC-osflm202111e11b1	14-3-3(HMM:0.0038)
9247	358_2.R1084	14-3-3(HMM:1.3e-63)
9248	359_1.R1084	14-3-3(HMM:1.4e-175)
9249	LIB3431-002-P1-K1-B6	14-3-3(HMM:1.6e-13)
9250	uC-osflcyp002e09b1	14-3-3(HMM:1.7e-19)
9251	uC-osflcyp080c06a1	14-3-3(HMM:1.8e-15)
9252	28911_1.R1084	14-3-3(HMM:1.8e-17)
9253	358_1.R1084	14-3-3(HMM:1.8e-180)
9254	uC-osrocyp028c03a1	14-3-3(HMM:1.8e-23)
9255	92487_1.R1084	14-3-3(HMM:2.1e-33)
9256	LIB3434-047-P1-K1-A2	14-3-3(HMM:2.5e-34)
9257	LIB3431-058-P1-K1-E2	14-3-3(HMM:2.6e-18)
9258	uC-osrocyp028c02b1	14-3-3(HMM:2.8e-13)
9259	17909_1.R1084	14-3-3(HMM:2e-66)
9260	LIB3434-042-P1-K1-G5	14-3-3(HMM:3.5e-104)
9261	LIB3432-011-P1-K1-F9	14-3-3(HMM:3.7e-10)
9262	357_1.R1084	14-3-3(HMM:4.4e-181)
9263	g3106478	14-3-3(HMM:4.9e-06)
9264	LIB3431-007-P1-K1-B4	14-3-3(HMM:5)
9265	g2442689	14-3-3(HMM:5.2e-10)
9266	LIB3432-032-P2-K1-F8	14-3-3(HMM:5.3e-48)
9267	358_4.R1084	14-3-3(HMM:5.7e-56)
9268	uC-osroM202039c12b1	14-3-3(HMM:5.9e-07)
9269	g2798877	14-3-3(HMM:6.9e-08)
9270	LIB3431-001-P1-K1-G10	14-3-3(HMM:7.2e-05)
9271	617_1.R1084	14-3-3(HMM:7e-180)
9272	6047_2.R1084	14-3-3(HMM:8.3e-33)
9273	LIB3434-001-P1-K1-E7	14-3-3(HMM:8.7e-07)
9274	4935_1.R1084	ank(HMM:0.0005)
9275	g5667511	ank(HMM:0.00067)
9276	2013_1.R1084	ank(HMM:0.00078)
9277	uC-osroM202013h02b1	ank(HMM:0.0082)
9278	uC-osroM202020g09b1	ank(HMM:0.026)
9279	14356_2.R1084	ank(HMM:0.042)
9280	31756_1.R1084	ank(HMM:0.045)
9281	g5002941	ank(HMM:0.058)
9282	LIB3431-033-P1-K1-H1	ank(HMM:1.1e-22)
9283	g3107450	ank(HMM:1.2e-05)
9284	g2310039	ank(HMM:1.2e-06)
9285	LIB3433-042-P1-K1-D10	ank(HMM:1.2e-10)
9286	2706_1.R1084	ank(HMM:1.2e-17)
9287	LIB3432-007-P1-K1-E7	ank(HMM:1.3e-08)
9288	11714_1.R1084	ank(HMM:1.3e-13)
9289	g3762888	ank(HMM:1.5e-06)
9290	63044_1.R1084	ank(HMM:1.6e-06)
9291	g5038965	ank(HMM:1.6e-06)
9292	5527_2.R1084	ank(HMM:1.6e-20)
9293	5527_1.R1084	ank(HMM:1.8e-08)

9294	uC-osrocyp011a04a1	ank(HMM:1.8e-08)
9295	uC-osflm202110g02b1	ank(HMM:2.1)
9296	uC-osrocyp011e12b1	ank(HMM:2.2e-08)
9297	5758_1.R1084	ank(HMM:2.5e-13)
9298	g3760142	ank(HMM:2.7e-19)
9299	jC-osleLIB3474037b02a1	ank(HMM:3.2e-05)
9300	g2427442	ank(HMM:3.2e-12)
9301	uC-osrocyp033f11a1	ank(HMM:3.3e-13)
9302	uC-osflcyp162a07b1	ank(HMM:3.6e-09)
9303	g1632606	ank(HMM:3.7e-07)
9304	g5667512	ank(HMM:3.7e-16)
9305	uC-osflcyp039a01b1	ank(HMM:3.8e-14)
9306	14784_1.R1084	ank(HMM:4.2e-24)
9307	uC-osflcyp158a11b1	ank(HMM:4.4e-05)
9308	LIB3434-005-P1-K1-C10	ank(HMM:4.5e-09)
9309	30799_1.R1084	ank(HMM:4.9e-15)
9310	LIB3434-013-P1-K1-F6	ank(HMM:5.1e-05)
9311	uC-osflM202091b10b1	ank(HMM:5.5e-06)
9312	uC-osroM202030a07b1	ank(HMM:5.9e-12)
9313	35818_1.R1084	ank(HMM:6.1e-13)
9314	LIB3431-047-P1-N1-D8	ank(HMM:6.8e-21)
9315	21576_1.R1084	ank(HMM:7.1e-31)
9316	LIB3433-016-Q6-K6-F12	ank(HMM:7.5e-06)
9317	63383_1.R1084	ank(HMM:7e-21)
9318	g4714237	ank(HMM:8.1e-09)
9319	g2428558	ank(HMM:9.2e-07)
9320	26024_1.R1084	ank(HMM:9.9e-41)
9321	g2442375	ap2-domain(HMM:0.0001)
9322	54497_1.R1084	ap2-domain(HMM:0.00014)
9323	uC-osflcyp004g06b1	ap2-domain(HMM:0.00027)
9324	uC-osflM202047f04b1	ap2-domain(HMM:0.00074)
9325	55803_1.R1084	ap2-domain(HMM:0.00076)
9326	76713_1.R1084	ap2-domain(HMM:0.0012)
9327	g2431456	ap2-domain(HMM:0.0021)
9328	uC-osroM202039a06b1	ap2-domain(HMM:0.0026)
9329	96886_1.R1084	ap2-domain(HMM:0.0067)
9330	uC-osrocyp029f11b1	ap2-domain(HMM:0.0098)
9331	g2310291	ap2-domain(HMM:0.011)
9332	g5900710	ap2-domain(HMM:0.031)
9333	28040_1.R1084	ap2-domain(HMM:0.58)
9334	g2799366	ap2-domain(HMM:1.3e-13)
9335	g5667533	ap2-domain(HMM:1.3e-13)
9336	168_2.R1084	ap2-domain(HMM:1.3e-40)
9337	g427910	ap2-domain(HMM:1.4e-15)
9338	88463_1.R1084	ap2-domain(HMM:1.5e-15)
9339	62487_1.R1084	ap2-domain(HMM:1.6e-37)
9340	49159_1.R1084	ap2-domain(HMM:1.6e-39)
9341	20783_2.R1084	ap2-domain(HMM:1.7e-39)
9342	34010_1.R1084	ap2-domain(HMM:1.9e-27)
9343	58360_1.R1084	ap2-domain(HMM:1.9e-31)
9344	69949_1.R1084	ap2-domain(HMM:2.1e-19)
9345	18824_1.R1084	ap2-domain(HMM:2.1e-36)
9346	g5003396	ap2-domain(HMM:2.2e-10)
9347	38368_1.R1084	ap2-domain(HMM:2.6e-18)

9348	2466_1.R1084	ap2-domain(HMM:2.6e-38)
9349	21358_1.R1084	ap2-domain(HMM:2.9e-38)
9350	25592_1.R1084	ap2-domain(HMM:3.1e-14)
9351	43210_1.R1084	ap2-domain(HMM:3.2e-37)
9352	uC-osrocyp017c05b1	ap2-domain(HMM:3.4e-09)
9353	52863_1.R1084	ap2-domain(HMM:3.4e-13)
9354	g702738	ap2-domain(HMM:3.5e-06)
9355	LIB3431-060-P1-K1-F7	ap2-domain(HMM:3.5e-17)
9356	uC-osrocyp021d02b1	ap2-domain(HMM:4.1e-31)
9357	g3760180	ap2-domain(HMM:4.3e-09)
9358	14887_1.R1084	ap2-domain(HMM:4.8e-35)
9359	LIB3475-006-P1-K1-A9	ap2-domain(HMM:4e-05)
9360	g4716624	ap2-domain(HMM:5.7e-05)
9361	uC-osflcyp034f01b1	ap2-domain(HMM:5.9e-14)
9362	8473_1.R1084	ap2-domain(HMM:5e-06)
9363	uC-osrocyp005g12b1	ap2-domain(HMM:6.4e-18)
9364	g286671	ap2-domain(HMM:7.1e-11)
9365	67347_2.R1084	ap2-domain(HMM:7.4e-23)
9366	1048_1.R1084	ap2-domain(HMM:7.4e-33)
9367	uC-osflcyp143g12b1	ap2-domain(HMM:7.5)
9368	959_1.R1084	ap2-domain(HMM:7.7e-39)
9369	uC-osroM202031h07b1	ap2-domain(HMM:8.9e-10)
9370	26037_1.R1084	ap2-domain(HMM:9.1e-29)
9371	59584_1.R1084	ap2-domain(HMM:9.3e-35)
9372	g3107619	ap2-domain(HMM:9.4e-20)
9373	uC-osflm202104g06b1	arf(HMM:0.00057)
9374	g2427469	"arf(HMM:0.0022),b3(HMM:3.1e-06)"
9375	g3762230	arf(HMM:1.7e-17)
9376	32948_1.R1084	"arf(HMM:1.8e-10),iaa(HMM:1.3e-18)"
9377	12155_1.R1084	"arf(HMM:1.8e-12),b3(HMM:1.2e-27)"
9378	26066_1.R1084	"arf(HMM:2.7e-09),b3(HMM:9.8e-14)"
9379	uC-osroM202019e10b1	arf(HMM:2.9e-13)
9380	g3761532	arf(HMM:2.9e-21)
9381	44884_1.R1084	"arf(HMM:3.3e-85),b3(HMM:1.2e-15)"
9382	70520_1.R1084	arf(HMM:3.8e-16)
9383	g569467	"arf(HMM:6.5e-12),b3(HMM:6.9e-50)"
9384	g5004275	"arf(HMM:6.6e-47),b3(HMM:1.7e-60)"
9385	LIB3477-001-P1-K1-E4	arf(HMM:9.1e-08)
9386	74873_1.R1084	arid(HMM:2.7e-13)
9387	g3107746	athook(HMM:0.017)
9388	g427942	b3(HMM:0.00018)
9389	72020_1.R1084	b3(HMM:1.6e-05)
9390	12082_1.R1084	b3(HMM:3.1e-59)
9391	uC-osroM202001b04a1	b3(HMM:3.2e-17)
9392	4430_2.R1084	"bah(HMM:0.003),phd(HMM:3.9e-13)"
9393	46243_1.R1084	"bah(HMM:0.13),phd(HMM:0.0

9394	43153_1.R1084	032)"
9395	4430_1.R1084	bah(HMM:0.6)
		"bah(HMM:2.7e-
9396	g4716249	36),phd(HMM:0.0017)"
9397	g427671	bpf-1(HMM:1.1e-79)
9398	uC-osflcyp026h10b1	bpf-1(HMM:2.3e-76)
9399	4131_1.R1084	bpf-1(HMM:2.5e-90)
9400	60036_1.R1084	bpf-1(HMM:3e-36)
9401	16810_1.R1084	bpf-1(HMM:7.5e-38)
9402	uC-osroM202030e06a1	bromodomain(HMM:0.0044)
9403	g5667387	bromodomain(HMM:1e-26)
9404	44803_1.R1084	bromodomain(HMM:2.5)
9405	LIB3434-060-P1-K1-C1	bromodomain(HMM:2e-09)
9406	g2442805	bromodomain(HMM:3.9e-33)
9407	28820_1.R1084	bromodomain(HMM:4.3e-05)
9408	54050_1.R1084	bromodomain(HMM:6.3e-07)
9409	54291_1.R1084	bromodomain(HMM:6e-13)
9410	g4880967	btb(HMM:0.0015)
9411	LIB3433-047-P1-K1-D4	btb(HMM:0.049)
9412	2980_1.R1084	btb(HMM:0.33)
9413	18452_1.R1084	btb(HMM:2.9e-08)
9414	11264_1.R1084	btb(HMM:3.3e-11)
9415	33098_1.R1084	btb(HMM:3e-10)
9416	42362_1.R1084	btb(HMM:4.1e-05)
9417	78101_1.R1084	btb(HMM:5.1e-09)
9418	LIB3431-031-P1-K1-E12	btb(HMM:6.2e-06)
9419	9342_1.R1084	bzip(HMM:0.00055)
9420	LIB3433-057-P1-K1-E1	bzip(HMM:0.00096)
9421	50880_1.R1084	bzip(HMM:0.0053)
9422	17054_1.R1084	bzip(HMM:0.0063)
9423	35294_1.R1084	bzip(HMM:0.01)
9424	LIB3434-016-P1-K1-D9	bzip(HMM:0.016)
9425	g5803454	bzip(HMM:0.27)
9426	18517_1.R1084	bzip(HMM:0.36)
9427	LIB3433-019-P1-K1-C7	bzip(HMM:1.1e-13)
9428	274_1.R1084	bzip(HMM:1.1e-13)
9429	94811_1.R1084	bzip(HMM:1.1e-18)
9430	315_1.R1084	bzip(HMM:1.2e-11)
9431	15567_1.R1084	bzip(HMM:1.2e-18)
9432	988_1.R1084	bzip(HMM:1.4e-17)
9433	463_1.R1084	bzip(HMM:1.7e-11)
9434	2349_1.R1084	bzip(HMM:1e-17)
9435	21217_1.R1084	bzip(HMM:2.5e-14)
9436	315_2.R1084	bzip(HMM:2.6e-11)
9437	g435945	bzip(HMM:2.7e-18)
9438	uC-osrocyp030h03b1	bzip(HMM:2.9e-12)
9439	1005_1.R1084	bzip(HMM:3.3e-05)
9440	LIB3434-035-P1-K1-D6	bzip(HMM:4.2e-21)
9441	980_1.R1084	bzip(HMM:4.7e-13)
9442	g435943	bzip(HMM:5.6e-22)
9443	3184_1.R1084	bzip(HMM:6.7e-13)
9444	92_1.R1084	bzip(HMM:7.1e-13)
9445	749_1.R1084	bzip(HMM:7.5e-13)
		bzip(HMM:8.1e-15)

9446	97344_1.R1084	bzip(HMM:8.2e-08)
9447	uC-osflcyp013a12b1	bzip(HMM:8.5)
9448	g2801356	cbfd_nfyb_hmf(HMM:0.00072)
9449	34342_1.R1084	cbfd_nfyb_hmf(HMM:0.042)
9450	7629_1.R1084	"cbfd_nfyb_hmf(HMM:0.055),hi stone(HMM:8.5e-36)"
9451	LIB3434-023-P1-K1-B3	cbfd_nfyb_hmf(HMM:1.5e-33)
9452	26746_1.R1084	cbfd_nfyb_hmf(HMM:2.7)
9453	4245_1.R1084	cbfd_nfyb_hmf(HMM:3.7e-37)
9454	g1632008	cbfd_nfyb_hmf(HMM:6.4e-15)
9455	19213_1.R1084	cbfd_nfyb_hmf(HMM:9.2e-15)
9456	LIB3431-036-P1-N1-D4	chromo(HMM:0.00024)
9457	5302_1.R1084	chromo(HMM:0.0071)
9458	518_2.R1084	chromo(HMM:1e-18)
9459	uC-osflm202108f08b1	csd(HMM:0.016)
9460	g5004101	csd(HMM:0.4)
9461	58275_1.R1084	csd(HMM:8.8e-09)
9462	42817_1.R1084	dof(HMM:0.0018)
9463	g5004157	dof(HMM:0.016)
9464	g3061221	dof(HMM:0.19)
9465	uC-osflcyp127d01a1	dof(HMM:1.1e-36)
9466	g4996647	dof(HMM:1.2e-23)
9467	25092_1.R1084	dof(HMM:1.2e-35)
9468	133_1.R1084	dof(HMM:1.4e-35)
9469	LIB3434-040-P1-K1-B11	dof(HMM:1.9e-05)
9470	130_5.R1084	dof(HMM:2.4e-29)
9471	uC-osroM202007g08a1	dof(HMM:2.7e-17)
9472	130_1.R1084	dof(HMM:2e-31)
9473	130_3.R1084	dof(HMM:4.9e-37)
9474	g4996641	dof(HMM:4.9e-37)
9475	g2311601	dof(HMM:6.6e-20)
9476	81962_1.R1084	dof(HMM:8.2e-36)
9477	8302_1.R1084	dpb(HMM:0.00054)
9478	20880_1.R1084	dpb(HMM:0.38)
9479	321_2.R1084	dpb(HMM:1.6e-75)
9480	g3760217	dpb(HMM:1.9e-07)
9481	g568555	dpb(HMM:2.4e-08)
9482	LIB3433-019-P1-K1-A4	dpb(HMM:3.3e-07)
9483	13861_1.R1084	dpb(HMM:4.4e-08)
9484	4529_1.R1084	dpb(HMM:8.4)
9485	LIB3433-009-Q6-K1-F2	dpb(HMM:9.1e-08)
9486	321_6.R1084	dpb(HMM:9.5e-06)
9487	LIB3433-031-P1-K1-B2	enbp(HMM:1.1e-09)
9488	g426772	enbp(HMM:9.5)
9489	g4880919	gata(HMM:0.023)
9490	uC-osroM202001c10a1	gata(HMM:0.027)
9491	g2431491	gata(HMM:0.22)
9492	uC-osflcyp057d06b1	gata(HMM:1.9e-08)
9493	g2798782	gata(HMM:2.2e-14)
9494	23385_1.R1084	gata(HMM:2.7e-07)
9495	uC-osflcyp109f08b1	gata(HMM:4.3e-06)
9496	LIB3431-060-P1-K1-D6	gld-tea(HMM:0.042)
9497	LIB3434-018-P1-K1-D7	gld-tea(HMM:0.35)
9498	50521_1.R1084	gld-tea(HMM:0.43)

9499	uC-osrocyp028f03b1	gld-tea(HMM:1.2e-27)
9500	LIB3475-003-P1-K2-F4	gld-tea(HMM:1.3e-10)
9501	LIB3433-055-P1-K1-H1	gld-tea(HMM:2.1e-37)
9502	13229_1.R1084	gld-tea(HMM:2.9e-06)
9503	25505_1.R1084	gld-tea(HMM:3.4e-32)
9504	LIB3474-012-P1-K1-E2	gld-tea(HMM:3.4e-32)
9505	13862_1.R1084	gld-tea(HMM:3e-30)
9506	15158_1.R1084	gld-tea(HMM:5.1e-31)
9507	5854_1.R1084	gld-tea(HMM:6.7e-34)
9508	g287019	gld-tea(HMM:6.8e-30)
9509	uC-osflcyp026d03b1	gld-tea(HMM:6.8e-30)
9510	39607_1.R1084	gld-tea(HMM:9.7e-06)
9511	uC-osflcyp122c12b1	gld-tea(HMM:9.7e-32)
9512	LIB3477-009-P1-K1-B9	hhh(HMM:2.9e-07)
9513	20921_1.R1084	hist_deacetyl(HMM:0.064)
9514	g2800762	hist_deacetyl(HMM:0.5)
9515	31559_2.R1084	hist_deacetyl(HMM:0.89)
9516	uC-osflM202048g11b1	hist_deacetyl(HMM:1.2e-15)
9517	LIB3433-016-Q6-K6-F5	hist_deacetyl(HMM:1.7e-07)
9518	g5004796	hist_deacetyl(HMM:1.7e-14)
9519	LIB3432-035-P2-K1-D11	hist_deacetyl(HMM:2.1e-06)
9520	6051_1.R1084	hist_deacetyl(HMM:2.9e-24)
9521	LIB3431-063-P1-K1-F4	hist_deacetyl(HMM:4.5e-08)
9522	uC-osflm202109g01b1	hist_deacetyl(HMM:4.8e-09)
9523	31559_1.R1084	hist_deacetyl(HMM:6.5e-15)
9524	uC-osrocyp027g06b1	histone(HMM:0.00012)
9525	uC-osrocyp032h06b1	histone(HMM:0.00024)
9526	666_4.R1084	histone(HMM:0.00029)
9527	uC-osrocyp032a11b1	histone(HMM:0.00045)
9528	g287222	histone(HMM:0.00078)
9529	666_8.R1084	histone(HMM:0.002)
9530	LIB3433-030-P1-K1-H8	histone(HMM:0.0031)
9531	uC-osrocyp002h02a1	histone(HMM:0.0046)
9532	g287109	histone(HMM:0.22)
9533	g4968746	histone(HMM:0.39)
9534	uC-osflcyp127d03a1	histone(HMM:0.48)
9535	LIB3479-006-Q6-K1-A3	histone(HMM:0.57)
9536	77294_1.R1084	histone(HMM:0.72)
9537	uC-osflcyp169e05b1	histone(HMM:1.1e-12)
9538	LIB3433-054-P1-K1-H8	histone(HMM:1.2e-09)
9539	g2800771	histone(HMM:1.2e-14)
9540	706_1.R1084	histone(HMM:1.2e-24)
9541	g5816536	histone(HMM:1.2e-39)
9542	5333_2.R1084	histone(HMM:1.3e-11)
9543	27043_1.R1084	histone(HMM:1.3e-20)
9544	g4878800	histone(HMM:1.3e-21)
9545	g5816531	histone(HMM:1.3e-44)
9546	g2311469	histone(HMM:1.4e-46)
9547	666_9.R1084	histone(HMM:1.5e-13)
9548	g4715649	histone(HMM:1.5e-25)
9549	uC-osroM202014f03b1	histone(HMM:1.6e-20)
9550	g5816493	histone(HMM:1.6e-26)
9551	LIB3431-060-P1-K1-G8	histone(HMM:1.7e-32)
9552	uC-osroM202022f10b1	histone(HMM:1.7e-32)

9553	LIB3433-022-P1-K1-G1	histone(HMM:1.7e-48)
9554	5333_3.R1084	histone(HMM:1.7e-51)
9555	g3762651	histone(HMM:1.8e-05)
9556	g2312266	histone(HMM:1.8e-21)
9557	g5816558	histone(HMM:1.8e-30)
9558	LIB3433-059-P1-K1-E2	histone(HMM:1.8e-45)
9559	LIB3433-035-P1-K1-G1	histone(HMM:1.9e-12)
9560	g2311284	histone(HMM:1.9e-28)
9561	g5816504	histone(HMM:1.9e-33)
9562	uC-osrocyp016d02b1	histone(HMM:1.9e-45)
9563	g2280892	histone(HMM:1e-26)
9564	LIB3432-051-P1-K1-E5	histone(HMM:1e-42)
9565	LIB3432-001-P1-K1-F5	histone(HMM:2.1e-05)
9566	705_7.R1084	histone(HMM:2.1e-16)
9567	uC-osflcyp120c02b1	histone(HMM:2.1e-17)
9568	LIB3433-044-P1-K1-F9	histone(HMM:2.1e-27)
9569	7629_3.R1084	histone(HMM:2.1e-35)
9570	g3763153	histone(HMM:2.2e-16)
9571	LIB3433-024-P1-K1-H7	histone(HMM:2.2e-32)
9572	705_1.R1084	histone(HMM:2.2e-46)
9573	uC-osflcyp058c11b1	histone(HMM:2.2e-46)
9574	LIB3433-036-P1-K1-B4	histone(HMM:2.4e-15)
9575	g4715648	histone(HMM:2.4e-27)
9576	LIB3431-046-P1-K1-B8	histone(HMM:2.5e-37)
9577	LIB3433-055-P1-K1-B7	histone(HMM:2.7e-34)
9578	434_1.R1084	histone(HMM:2e-11)
9579	705_5.R1084	histone(HMM:2e-47)
9580	670_1.R1084	histone(HMM:3.2e-12)
9581	uC-osflcyp011g09b1	histone(HMM:3.4e-25)
9582	15653_1.R1084	histone(HMM:3.5e-51)
9583	267_2.R1084	histone(HMM:3.6e-47)
9584	267_3.R1084	histone(HMM:3.6e-47)
9585	267_4.R1084	histone(HMM:3.6e-47)
9586	267_5.R1084	histone(HMM:3.6e-47)
9587	705_10.R1084	histone(HMM:3.7e-45)
9588	g5803476	histone(HMM:3.9e-28)
9589	705_6.R1084	histone(HMM:4.3e-14)
9590	uC-osflcyp037h01b1	histone(HMM:4.8e-29)
9591	uC-osflcyp035e11b1	histone(HMM:4.8e-46)
9592	g5816488	histone(HMM:4.9e-43)
9593	g426955	histone(HMM:5.5e-05)
9594	uC-osrocyp002h02b1	histone(HMM:5.6e-18)
9595	LIB3432-018-P1-K1-G3	histone(HMM:5.7e-34)
9596	LIB3431-010-P1-K1-D11	histone(HMM:5.7e-36)
9597	g5816502	histone(HMM:5.7e-44)
9598	5333_1.R1084	histone(HMM:5.7e-50)
9599	705_4.R1084	histone(HMM:5.8e-46)
9600	g572044	histone(HMM:6.2e-38)
9601	uC-osrocyp025b04a1	histone(HMM:6.7e-21)
9602	LIB3433-014-Q6-K1-D4	histone(HMM:6.8e-23)
9603	uC-osflcyp049c12b1	histone(HMM:6.9e-09)
9604	705_2.R1084	histone(HMM:7.4e-46)
9605	666_10.R1084	histone(HMM:7.5e-19)
9606	666_11.R1084	histone(HMM:7.5e-19)

9607	666_12.R1084	histone(HMM:7.5e-19)
9608	666_14.R1084	histone(HMM:7.5e-19)
9609	666_15.R1084	histone(HMM:7.5e-19)
9610	666_17.R1084	histone(HMM:7.5e-19)
9611	666_5.R1084	histone(HMM:7.5e-19)
9612	666_6.R1084	histone(HMM:7.5e-19)
9613	705_11.R1084	histone(HMM:7.6e-44)
9614	267_8.R1084	histone(HMM:7.9e-11)
9615	666_7.R1084	histone(HMM:8.1e-13)
9616	960_1.R1084	histone(HMM:8.1e-41)
9617	g3763259	histone(HMM:8.3e-13)
9618	16996_1.R1084	histone(HMM:9.2e-46)
9619	16996_2.R1084	histone(HMM:9.2e-46)
9620	uC-osroM202014h03b1	histone(HMM:9.3)
9621	g4880864	histone(HMM:9.4e-13)
9622	267_1.R1084	histone(HMM:9.5e-47)
9623	434_2.R1084	histone(HMM:9.5e-47)
9624	g5816487	histone(HMM:9.5e-47)
9625	g5816491	histone(HMM:9.5e-47)
9626	g5816524	histone(HMM:9.5e-47)
9627	g5816566	histone(HMM:9.5e-47)
9628	uC-osflcyp013d01b1	histone(HMM:9.5e-47)
9629	uC-osflcyp021e08b1	histone(HMM:9.5e-47)
9630	uC-osrocyp027g11b1	histone(HMM:9.5e-47)
9631	705_3.R1084	histone(HMM:9.7e-47)
9632	g702652	hlh(HMM:0.00014)
9633	81247_1.R1084	hlh(HMM:0.0019)
9634	15051_1.R1084	hlh(HMM:0.0095)
9635	29653_1.R1084	hlh(HMM:0.012)
9636	jC-osleLIB3474037b08a1	hlh(HMM:0.026)
9637	LIB3434-053-P1-K1-F8	hlh(HMM:1.5e-07)
9638	62323_1.R1084	hlh(HMM:1.7e-08)
9639	g1086539	hlh(HMM:1.7e-15)
9640	59186_1.R1084	hlh(HMM:2.8e-06)
9641	g3107471	hlh(HMM:3.3e-08)
9642	1808_1.R1084	hlh(HMM:3.7e-06)
9643	4295_1.R1084	hlh(HMM:3.8e-10)
9644	33187_1.R1084	hlh(HMM:4.1e-14)
9645	11488_1.R1084	hlh(HMM:4.2e-14)
9646	g569497	hlh(HMM:4.5e-12)
9647	g1086541	hlh(HMM:4.8e-09)
9648	g5003540	hlh(HMM:6.2e-12)
9649	15298_1.R1084	hlh(HMM:8.9e-07)
9650	g5039098	hlh(HMM:9e-05)
9651	uC-osflcyp018f07b1	hmg_box(HMM:0.0033)
9652	g2800810	hmg_box(HMM:0.0057)
9653	uC-osflcyp073d12b1	hmg_box(HMM:0.0085)
9654	704_1.R1084	hmg_box(HMM:0.01)
9655	LIB3431-003-P1-K1-D12	hmg_box(HMM:0.49)
9656	LIB3431-043-P1-K1-A12	hmg_box(HMM:0.8)
9657	g3090528	hmg_box(HMM:1.2e-19)
9658	41330_1.R1084	hmg_box(HMM:1.5e-17)
9659	894_2.R1084	hmg_box(HMM:1.6e-05)
9660	g2442391	hmg_box(HMM:1.9e-11)

9661	LIB3431-044-P1-K1-F10	hmg_box(HMM:2.3e-05)
9662	g2442209	hmg_box(HMM:2.5e-22)
9663	g4878754	hmg_box(HMM:2.6e-20)
9664	g3767495	hmg_box(HMM:2.8e-28)
9665	LIB3434-047-P1-K1-D1	hmg_box(HMM:2.8e-28)
9666	uC-osroM202018f09b1	hmg_box(HMM:2.8e-28)
9667	LIB3433-020-P1-K1-H6	hmg_box(HMM:2.9e-25)
9668	g701542	hmg_box(HMM:2.9e-28)
9669	LIB3431-015-P1-K1-D9	hmg_box(HMM:2e-05)
9670	g4880979	hmg_box(HMM:2e-07)
9671	g4878390	hmg_box(HMM:3.3e-20)
9672	50300_1.R1084	hmg_box(HMM:3.4e-10)
9673	408_1.R1084	hmg_box(HMM:3.9e-24)
9674	LIB3431-015-P1-K1-D5	hmg_box(HMM:4.7e-22)
9675	LIB3431-010-P1-K1-C3	hmg_box(HMM:4.8e-20)
9676	894_1.R1084	hmg_box(HMM:5.2e-31)
9677	894_4.R1084	hmg_box(HMM:5.2e-31)
9678	LIB3433-043-P1-K1-G2	hmg_box(HMM:5.2e-31)
9679	g572169	hmg_box(HMM:5.4e-19)
9680	3604_1.R1084	hmg_box(HMM:5.9e-12)
9681	g701299	hmg_box(HMM:5.9e-18)
9682	26222_1.R1084	hmg_box(HMM:6.1)
9683	g425923	hmg_box(HMM:7.4e-19)
9684	22604_1.R1084	hmg_box(HMM:8.3e-18)
9685	g569750	hmg_box(HMM:8.8e-25)
9686	556_1.R1084	"homeobox(HMM:0.00017),homeobox_knox3(9.4e-40)"
9687	137_1.R1084	"homeobox(HMM:0.0027),homeobox_knox3(7.9e-36)"
9688	12099_1.R1084	"homeobox(HMM:0.0042),homeobox_knox3(2.7e-12)"
9689	38_1.R1084	"homeobox(HMM:0.0076),homeobox_knox3(5.7e-21)"
9690	39_2.R1084	"homeobox(HMM:0.0087),homeobox_knox3(4.3e-23)"
9691	39_1.R1084	"homeobox(HMM:0.0087),homeobox_knox3(7.3e-23)"
9692	40_1.R1084	"homeobox(HMM:0.0098),homeobox_knox3(6.9e-21)"
9693	95453_1.R1084	"homeobox(HMM:0.023),homeobox_knox3(4.1e-12)"
9694	LIB3475-008-P1-K1-B6	homeobox(HMM:0.03)
9695	36_1.R1084	"homeobox(HMM:0.034),homeobox_knox3(1.0e-33)"
9696	g5103730	"homeobox(HMM:0.33),homeobox_knox3(7.0e-30)"
9697	1062_1.R1084	homeobox(HMM:1.3e-19)
9698	268_1.R1084	homeobox(HMM:1.4e-17)
9699	g5006856	homeobox(HMM:1.5e-19)
9700	34_3.R1084	"homeobox(HMM:1.8e-05),homeobox_knox3(5.2e-31)"
9701	25184_1.R1084	homeobox(HMM:2.4e-18)
9702	1063_1.R1084	homeobox(HMM:2.4e-20)
9703	34_1.R1084	"homeobox(HMM:3.1e-

9704	1061_1.R1084	05),homeobox_knox3(1.1e-37)"
9705	268_2.R1084	homeobox(HMM:3.2e-16)
9706	uC-osflcyp029c12b1	homeobox(HMM:3.9e-17)
9707	g2310468	homeobox(HMM:3e-06)
9708	34_2.R1084	homeobox(HMM:4.2e-05)
		"homeobox(HMM:4.2e-06),homeobox_knox3(4.5e-31)"
9709	g5006858	homeobox(HMM:4.2e-17)
9710	2872_1.R1084	"homeobox(HMM:4.4),homeobox_knox3(3.2e-10)"
9711	g5038642	homeobox(HMM:4.7e-17)
9712	12768_1.R1084	homeobox(HMM:6.6e-19)
9713	uC-osroM202005g06b1	homeobox_knox3(2.8e-05)
9714	LIB3433-009-Q6-K1-C9	hsf_dna-bind(HMM:0.00017)
9715	70825_1.R1084	hsf_dna-bind(HMM:1.6e-12)
9716	g5003430	hsf_dna-bind(HMM:1.8e-05)
9717	LIB3474-012-P1-K1-B8	hsf_dna-bind(HMM:3.3e-14)
9718	g2280919	iaa(HMM:0.00026)
9719	52168_1.R1084	iaa(HMM:0.001)
9720	g571933	iaa(HMM:0.002)
9721	LIB3434-064-P1-K1-E7	iaa(HMM:0.0064)
9722	g426000	iaa(HMM:0.012)
9723	LIB3479-005-Q6-K1-H6	iaa(HMM:0.033)
9724	39441_1.R1084	iaa(HMM:0.11)
9725	g3107788	iaa(HMM:0.28)
9726	21437_1.R1084	iaa(HMM:1.1e-38)
9727	17191_1.R1084	iaa(HMM:1.1e-51)
9728	uC-osflcyp010g02b1	iaa(HMM:1.2e-06)
9729	uC-osflcyp159g02b1	iaa(HMM:1.2e-06)
9730	20063_1.R1084	iaa(HMM:1.2e-07)
9731	g3761829	iaa(HMM:1.2e-25)
9732	13796_1.R1084	iaa(HMM:1.4e-35)
9733	69310_1.R1084	iaa(HMM:1.5e-22)
9734	uC-osflM202069c04a1	iaa(HMM:1.6e-06)
9735	LIB3431-001-P1-K1-G12	iaa(HMM:1.6e-08)
9736	39267_1.R1084	iaa(HMM:2.1e-10)
9737	LIB3431-025-P1-K1-F7	iaa(HMM:2.2)
9738	13796_2.R1084	iaa(HMM:2.3e-10)
9739	21144_1.R1084	iaa(HMM:2.6e-29)
9740	57634_1.R1084	iaa(HMM:2.8)
9741	1605_1.R1084	iaa(HMM:2.9e-32)
9742	24711_1.R1084	iaa(HMM:2e-05)
9743	33188_1.R1084	iaa(HMM:2e-06)
9744	23354_1.R1084	iaa(HMM:3.4e-07)
9745	LIB3433-008-Q6-K1-G9	iaa(HMM:3.6e-37)
9746	g4715376	iaa(HMM:4.2e-07)
9747	36294_1.R1084	iaa(HMM:4.2e-37)
9748	2544_1.R1084	iaa(HMM:4e-53)
9749	g3769143	iaa(HMM:5.8e-09)
9750	g3762995	iaa(HMM:6.7e-05)
9751	LIB3479-002-Q6-K2-G11	iaa(HMM:6.7e-06)
9752	7253_2.R1084	iaa(HMM:6.8e-17)
9753	g3061262	iaa(HMM:7.1e-10)
9754	g4969224	iaa(HMM:7.6e-05)

9755	69892_1.R1084	iaa(HMM:9.2e-13)
9756	uC-osrocyp006a05b1	ibr(HMM:0.00063)
9757	uC-osflcyp174e03a1	ibr(HMM:0.00092)
9758	44656_1.R1084	ibr(HMM:7.9e-18)
9759	uC-osflcyp061g02b1	"k-box(HMM:0.00056),srf- tf(HMM:5.3e-34)"
9760	368_1.R1084	"k-box(HMM:1.1e-38),srf- tf(HMM:5.6e-38)"
9761	15_1.R1084	"k-box(HMM:1.2e-10),srf- tf(HMM:1.5e-29)"
9762	542_1.R1084	"k-box(HMM:1.2e-39),srf- tf(HMM:1.9e-35)"
9763	g3761714	"k-box(HMM:1.3e-08),srf- tf(HMM:1.6e-25)"
9764	17_1.R1084	"k-box(HMM:1.8e-17),srf- tf(HMM:1.9e-36)"
9765	888_1.R1084	"k-box(HMM:1.9e-30),srf- tf(HMM:3.1e-36)"
9766	1084_1.R1084	"k-box(HMM:2.2e-42),srf- tf(HMM:5e-35)"
9767	939_2.R1084	"k-box(HMM:3.5e-13),srf- tf(HMM:3.6e-35)"
9768	941_1.R1084	"k-box(HMM:3.6e-35),srf- tf(HMM:6.1e-36)"
9769	947_1.R1084	"k-box(HMM:4.6e-35),srf- tf(HMM:4.4e-37)"
9770	368_2.R1084	"k-box(HMM:5.2e-41),srf- tf(HMM:5.6e-38)"
9771	1053_1.R1084	"k-box(HMM:5.5e-29),srf- tf(HMM:1.2e-37)"
9772	1033_2.R1084	"k-box(HMM:5.5e-44),srf- tf(HMM:2.7e-38)"
9773	LIB3433-028-P1-K1-D8	k-box(HMM:5.7e-07)
9774	557_1.R1084	"k-box(HMM:5e-38),srf- tf(HMM:3.7e-38)"
9775	13_1.R1084	"k-box(HMM:6.5e-36),srf- tf(HMM:4.2e-38)"
9776	g6650549	"k-box(HMM:6e-42),srf- tf(HMM:2.7e-38)"
9777	uC-osflcyp152d12b1	"k-box(HMM:7.3e-37),srf- tf(HMM:3.3e-35)"
9778	g2443206	"k-box(HMM:8.3e-05),srf- tf(HMM:1.9e-35)"
9779	1054_1.R1084	"k-box(HMM:8e-28),srf- tf(HMM:2.6e-34)"
9780	14_1.R1084	"k-box(HMM:9.3e-40),srf- tf(HMM:5.6e-38)"
9781	12_1.R1084	"k-box(HMM:9.7e-16),srf- tf(HMM:3.1e-32)"
9782	uC-osflcyp101h04a1	keyword:AGAMOUS(5.0e-11)
9783	27523_1.R1084	keyword:AGL(1.0e-10)
9784	38397_1.R1084	keyword:AGL(1.0e-22)
9785	g4969438	keyword:AGL(2.0e-18)
9786	uC-osflcyp154c12b1	keyword:AGL(3.0e-46)

9787	27489_1.R1084	keyword:AGL(3.0e-59)
9788	g700026	keyword:AGL(6.0e-58)
9789	49022_1.R1084	keyword:ap2(1.0e-10)
9790	45148_1.R1084	keyword:ap2(1.0e-62)
9791	31736_1.R1084	keyword:ap2(1.0e-85)
9792	uC-osflcyp162f05b1	keyword:ap2(2.0e-09)
9793	23563_1.R1084	keyword:ap2(2.0e-17)
9794	28418_1.R1084	keyword:ap2(2.0e-17)
9795	uC-osroM202033e07b1	keyword:ap2(2.0e-32)
9796	g5771042	keyword:ap2(2.0e-37)
9797	7823_1.R1084	keyword:ap2(2.0e-60)
9798	uC-osflm202101d08b1	keyword:ap2(2.0e-74)
9799	11000_1.R1084	keyword:ap2(3.0e-21)
9800	48420_1.R1084	keyword:ap2(3.0e-34)
9801	45770_1.R1084	keyword:ap2(4.0e-10)
9802	64591_1.R1084	keyword:ap2(9.0e-72)
9803	21103_1.R1084	keyword:AT-hook(2.0e-43)
9804	g286652	keyword:AT-hook(5.0e-28)
9805	g5803362	keyword:bzip(1.0e-25)
9806	LIB3432-044-P1-K1-C8	"keyword:bzip(3.0e-18),keyword:dna-binding(3.0e-18)"
9807	39840_1.R1084	keyword:bzip(4.0e-36)
9808	uC-osflcyp012e03b1	"keyword:bzip(5.0e-23),keyword:homeobox(5.0e-23)"
9809	LIB3432-044-P1-K1-C2	"keyword:bzip(5.0e-37),keyword:dna-binding(5.0e-37)"
9810	uC-osroM202005g04b1	"keyword:bzip(5.0e-70),keyword:homeobox(5.0e-70)"
9811	g5005405	keyword:bzip(6.0e-54)
9812	g5455419	keyword:CONSTANS(2.0e-12)
9813	791_1.R1084	keyword:dna-binding(0.0e+00)
9814	g5701672	keyword:dna-binding(1.0e-09)
9815	12850_1.R1084	keyword:dna-binding(1.0e-116)
9816	g3107379	keyword:dna-binding(1.0e-14)
9817	g2800246	keyword:dna-binding(1.0e-16)
9818	73416_1.R1084	keyword:dna-binding(1.0e-38)
9819	65566_1.R1084	keyword:dna-binding(1.0e-47)
9820	8961_1.R1084	keyword:dna-binding(1.0e-70)
9821	6782_1.R1084	keyword:dna-binding(2.0e-09)
9822	uC-osflcyp005g05b1	keyword:dna-binding(2.0e-12)
9823	4425_2.R1084	keyword:dna-binding(2.0e-15)
9824	uC-osflcyp097f11b1	keyword:dna-binding(2.0e-30)
9825	g2309742	keyword:dna-binding(2.0e-55)
9826	LIB3434-038-P1-K1-D11	keyword:dna-binding(3.0e-10)
9827	g2799822	keyword:dna-binding(3.0e-14)
9828	g286642	keyword:dna-binding(3.0e-25)
9829	2851_1.R1084	keyword:dna-binding(3.0e-66)
9830	g5003004	keyword:dna-binding(4.0e-09)
9831	21100_1.R1084	keyword:dna-binding(4.0e-39)
9832	53921_1.R1084	keyword:dna-binding(4.0e-48)

9833	24831_1.R1084	keyword:dna-binding(5.0e-22)
9834	LIB3434-062-P1-K1-C5	keyword:dna-binding(5.0e-24)
9835	15176_1.R1084	keyword:dna-binding(5.0e-70)
9836	g702330	keyword:dna-binding(6.0e-16)
9837	LIB3475-003-P1-K2-D5	keyword:dna-binding(6.0e-20)
9838	LIB3433-056-P1-K1-D3	keyword:dna-binding(6.0e-33)
9839	LIB3433-031-P1-K1-E11	keyword:dna-binding(6.0e-39)
9840	13023_1.R1084	keyword:dna-binding(6.0e-67)
9841	4425_1.R1084	keyword:dna-binding(7.0e-15)
9842	LIB3432-045-P1-K1-D12	keyword:dna-binding(7.0e-16)
9843	uC-osroM202007f04b1	keyword:dna-binding(8.0e-14)
9844	LIB3432-031-P1-K1-A1	keyword:dna-binding(8.0e-15)
9845	6034_1.R1084	keyword:dna-binding(9.0e-12)
9846	10716_1.R1084	keyword:dna-binding(9.0e-62)
9847	g427971	keyword:enbp(2.0e-11)
9848	5573_1.R1084	keyword:enbp(3.0e-11)
9849	18409_1.R1084	keyword:enbp(3.0e-14)
9850	g3061105	keyword:homeobox(1.0e-13)
9851	g3763207	keyword:homeobox(1.0e-177)
9852	29092_2.R1084	keyword:homeobox(1.0e-27)
9853	16462_2.R1084	keyword:homeobox(1.0e-39)
9854	g4878450	keyword:homeobox(1.0e-40)
9855	LIB3432-023-P1-K1-H9	keyword:homeobox(2.0e-13)
9856	uC-osflM202094e09b1	keyword:homeobox(2.0e-19)
9857	42739_1.R1084	keyword:homeobox(2.0e-65)
9858	uC-osrocyp034g10a1	keyword:homeobox(3.0e-30)
9859	g4716207	keyword:homeobox(3.0e-32)
9860	g2798656	keyword:homeobox(3.0e-38)
9861	16497_2.R1084	keyword:homeobox(3.0e-63)
9862	g4715665	keyword:homeobox(4.0e-14)
9863	g4968815	keyword:homeobox(4.0e-19)
9864	7379_1.R1084	keyword:homeobox(4.0e-81)
9865	LIB3431-049-P1-K1-C4	keyword:homeobox(5.0e-20)
9866	16462_1.R1084	keyword:homeobox(6.0e-42)
9867	27607_1.R1084	keyword:homeobox(6.0e-57)
9868	uC-osflcyp023c08b1	keyword:homeobox(7.0e-33)
9869	75625_1.R1084	keyword:homeobox(8.0e-12)
9870	g1036987	keyword:homeobox(9.0e-11)
9871	g2431423	keyword:homeobox(9.0e-12)
9872	g2428109	"keyword:homeodomain(1.0e-16),keyword:Leucine-zipper(1.0e-16)"
9873	uC-osflM202091e09b1	"keyword:homeodomain(1.0e-66),keyword:KNOX(1.0e-66)"
9874	27862_1.R1084	keyword:homeodomain(3.0e-20)
9875	LIB3433-024-P1-K1-D12	"keyword:homeodomain(3.0e-36),keyword:Leucine-zipper(3.0e-36)"
9876	LIB3431-060-P1-N1-G12	"keyword:homeodomain(5.0e-23),keyword:Leucine-zipper(5.0e-23)"
9877	uC-osrocyp037c05b1	"keyword:homeodomain(6.0e-10),keyword:Leucine-zipper(6.0e-10)"

9878	uC-osroM202007f01b1	"keyword:homeodomain(6.0e-13),keyword:Leucine-zipper(6.0e-13)"
9879	LIB3432-059-P1-K1-A7	keyword:homeodomain(6.0e-21)
9880	uC-osroM202007f07b1	"keyword:homeodomain(9.0e-58),keyword:Leucine-zipper(9.0e-58)"
9881	989_1.R1084	keyword:Leucine-zipper(1.0e-11)
9882	LIB3433-020-P1-K1-H8	keyword:Leucine-zipper(1.0e-18)
9883	LIB3433-040-P1-K1-C10	keyword:Leucine-zipper(1.0e-46)
9884	uC-osrocyp003c08a1	keyword:Leucine-zipper(2.0e-13)
9885	uC-osflm202107h06b1	keyword:Leucine-zipper(6.0e-16)
9886	uC-osflm202099e11b1	keyword:Leucine-zipper(8.0e-16)
9887	g3107709	keyword:Leucine-zipper(9.0e-13)
9888	g3766809	keyword:mads(0.0e+00)
9889	uC-osrocyp002g04b1	keyword:mads(1.0e-102)
9890	939_1.R1084	keyword:mads(1.0e-108)
9891	g700390	keyword:mads(1.0e-21)
9892	uC-osflcyp168c02b1	keyword:mads(1.0e-21)
9893	uC-osflcyp139e07b1	keyword:mads(2.0e-12)
9894	g2799733	keyword:mads(2.0e-21)
9895	uC-osrocyp012f09a1	keyword:mads(3.0e-14)
9896	g2311150	keyword:mads(3.0e-29)
9897	LIB3431-031-P1-N1-H7	keyword:mads(4.0e-63)
9898	uC-osflcyp171e06b1	keyword:mads(4.0e-64)
9899	g3766926	keyword:myb(0.0e+00)
9900	g2311180	keyword:myb(1.0e-10)
9901	LIB3434-028-P1-K1-A11	keyword:myb(1.0e-109)
9902	g2797354	keyword:myb(1.0e-124)
9903	41505_1.R1084	keyword:myb(1.0e-137)
9904	g3762489	keyword:myb(1.0e-140)
9905	LIB3475-003-P1-K2-H11	keyword:myb(1.0e-140)
9906	15310_2.R1084	keyword:myb(1.0e-19)
9907	24179_2.R1084	keyword:myb(1.0e-23)
9908	23880_5.R1084	keyword:myb(1.0e-25)
9909	g2428478	"keyword:myb(1.0e-30),keyword:dna-binding(1.0e-30)"
9910	11016_1.R1084	keyword:myb(2.0e-09)
9911	uC-osflcyp028b07b1	keyword:myb(2.0e-12)
9912	g2431127	keyword:myb(3.0e-11)
9913	23880_2.R1084	keyword:myb(3.0e-12)
9914	g3107222	keyword:myb(3.0e-22)
9915	g5455327	keyword:myb(3.0e-34)
9916	15310_1.R1084	keyword:myb(4.0e-15)
9917	uC-osflcyp106c01b1	"keyword:myb(6.0e-12),keyword:dna-binding(6.0e-12)"
9918	g3106580	keyword:myb(6.0e-36)
9919	g568662	keyword:myb(7.0e-33)
9920	30772_1.R1084	keyword:myb(8.0e-10)
9921	uC-osflcyp013d12b1	keyword:myb(8.0e-19)
9922	g3764124	keyword:scarecrow(1.0e-15)
9923	56673_1.R1084	keyword:scarecrow(7.0e-10)

9924	40321_1.R1084	keyword:scarecrow(7.0e-17)
9925	g2428540	keyword:transcription(1.0e-09)
9926	29696_1.R1084	keyword:transcription(1.0e-10)
9927	13411_1.R1084	keyword:transcription(1.0e-109)
9928	14950_1.R1084	keyword:transcription(1.0e-11)
9929	LIB3475-003-P1-K2-H5	keyword:transcription(1.0e-11)
9930	LIB3475-009-P1-K1-G5	keyword:transcription(1.0e-11)
9931	LIB3431-020-P1-K1-C3	keyword:transcription(1.0e-12)
9932	g2442395	"keyword:transcription(1.0e-139),keyword:bzip(1.0e-139)"
9933	g3106822	keyword:transcription(1.0e-14)
9934	29931_1.R1084	keyword:transcription(1.0e-15)
9935	46041_1.R1084	keyword:transcription(1.0e-17)
9936	LIB3431-055-P2-K1-H12	keyword:transcription(1.0e-18)
9937	8854_1.R1084	keyword:transcription(1.0e-19)
9938	61380_1.R1084	keyword:transcription(1.0e-22)
9939	uC-osflcyp122a06b1	keyword:transcription(1.0e-29)
9940	g286583	keyword:transcription(1.0e-34)
9941	60824_1.R1084	keyword:transcription(1.0e-41)
9942	g4715646	keyword:transcription(2.0e-09)
9943	LIB3432-023-P1-K1-D4	keyword:transcription(2.0e-10)
9944	uC-osflcyp026d01b1	keyword:transcription(2.0e-11)
9945	uC-osflcyp082b06b1	"keyword:transcription(2.0e-11),keyword:myb(2.0e-11),keyword:dna-binding(2.0e-11)"
9946	13257_1.R1084	keyword:transcription(2.0e-12)
9947	71934_1.R1084	"keyword:transcription(2.0e-15),keyword:bzip(2.0e-15)"
9948	LIB3434-042-P1-K1-A9	keyword:transcription(2.0e-17)
9949	15120_1.R1084	"keyword:transcription(2.0e-17),keyword:zinc-finger(2.0e-17)"
9950	1998_1.R1084	keyword:transcription(2.0e-18)
9951	g2800802	keyword:transcription(2.0e-19)
9952	984_1.R1084	keyword:transcription(2.0e-20)
9953	uC-osflM202086a05a1	keyword:transcription(2.0e-22)
9954	23206_2.R1084	keyword:transcription(2.0e-26)
9955	24716_1.R1084	keyword:transcription(2.0e-29)
9956	535_2.R1084	keyword:transcription(2.0e-29)
9957	LIB3433-025-P1-K1-E5	keyword:transcription(2.0e-40)
9958	LIB3434-008-P1-K1-D8	keyword:transcription(3.0e-09)
9959	63140_1.R1084	keyword:transcription(3.0e-10)
9960	7754_1.R1084	keyword:transcription(3.0e-12)
9961	LIB3432-053-P1-K1-C9	keyword:transcription(3.0e-15)
9962	uC-osroM202011d02a1	keyword:transcription(3.0e-15)
9963	52517_1.R1084	keyword:transcription(3.0e-46)
9964	LIB3434-043-P1-K1-G4	keyword:transcription(4.0e-15)
9965	54683_1.R1084	keyword:transcription(4.0e-21)
9966	uC-osflM202081c05b1	keyword:transcription(4.0e-26)
9967	26686_1.R1084	keyword:transcription(4.0e-35)
9968	g2801365	keyword:transcription(4.0e-76)
9969	25874_1.R1084	keyword:transcription(5.0e-14)
9970	uC-osflcyp046b11b1	keyword:transcription(5.0e-20)

9971	57500_1.R1084	keyword:transcription(5.0e-25)
9972	uC-osroM202017b01b1	keyword:transcription(5.0e-26)
9973	4371_1.R1084	"keyword:transcription(5.0e-26),keyword:myb(5.0e-26),keyword:dna-binding(5.0e-26)"
9974	g3107363	keyword:transcription(5.0e-28)
9975	LIB3432-056-P1-K1-B4	keyword:transcription(5.0e-33)
9976	6998_1.R1084	keyword:transcription(5.0e-47)
9977	2983_1.R1084	keyword:transcription(5.0e-58)
9978	4996_1.R1084	keyword:transcription(5.0e-62)
9979	g569346	keyword:transcription(6.0e-15)
9980	12268_1.R1084	"keyword:transcription(6.0e-15),keyword:myb(6.0e-15),keyword:dna-binding(6.0e-15)"
9981	12573_1.R1084	keyword:transcription(6.0e-22)
9982	g286956	keyword:transcription(6.0e-28)
9983	21380_1.R1084	keyword:transcription(7.0e-70)
9984	32278_1.R1084	keyword:transcription(7.0e-90)
9985	LIB3434-018-P1-K1-G11	keyword:transcription(8.0e-11)
9986	uC-osflcyp022h12b1	"keyword:transcription(8.0e-15),keyword:bzip(8.0e-15)"
9987	4034_1.R1084	keyword:transcription(8.0e-18)
9988	LIB3432-023-P1-K1-A9	keyword:transcription(8.0e-31)
9989	LIB3433-026-P1-K1-D8	keyword:transcription(9.0e-21)
9990	g4968866	keyword:transcription(9.0e-30)
9991	23206_1.R1084	keyword:transcription(9.0e-47)
9992	24575_1.R1084	keyword:zinc-finger(1.0e-09)
9993	2874_1.R1084	keyword:zinc-finger(1.0e-09)
9994	134_2.R1084	keyword:zinc-finger(1.0e-104)
9995	uC-osroM202013b04b1	keyword:zinc-finger(1.0e-11)
9996	72794_1.R1084	keyword:zinc-finger(1.0e-13)
9997	LIB3433-044-P1-K1-F8	keyword:zinc-finger(1.0e-13)
9998	LIB3434-044-P1-K1-F2	keyword:zinc-finger(1.0e-14)
9999	uC-osrocyp009c09a1	keyword:zinc-finger(1.0e-16)
10000	LIB3477-002-P1-K1-H6	keyword:zinc-finger(1.0e-17)
10001	LIB3434-003-P1-K1-B11	keyword:zinc-finger(1.0e-20)
10002	41183_1.R1084	keyword:zinc-finger(1.0e-21)
10003	54653_1.R1084	keyword:zinc-finger(1.0e-21)
10004	5494_1.R1084	keyword:zinc-finger(1.0e-25)
10005	LIB3434-004-P1-K1-G9	keyword:zinc-finger(1.0e-31)
10006	LIB3434-024-P1-K1-A7	keyword:zinc-finger(1.0e-34)
10007	35725_1.R1084	keyword:zinc-finger(2.0e-09)
10008	g2310056	keyword:zinc-finger(2.0e-14)
10009	LIB3433-034-P1-K1-B9	keyword:zinc-finger(2.0e-20)
10010	uC-osflcyp168e10b1	keyword:zinc-finger(2.0e-24)
10011	17720_1.R1084	keyword:zinc-finger(2.0e-28)
10012	uC-osflcyp169b08a1	keyword:zinc-finger(2.0e-31)
10013	946_1.R1084	keyword:zinc-finger(2.0e-48)
10014	uC-osflcyp168e05b1	keyword:zinc-finger(2.0e-49)
10015	LIB3431-045-P1-K1-F6	keyword:zinc-finger(3.0e-16)
10016	LIB3431-022-P1-K1-E8	keyword:zinc-finger(3.0e-17)
10017	uC-osroM202004b11b1	keyword:zinc-finger(3.0e-19)

10018	5501_2.R1084	keyword:zinc-finger(3.0e-20)
10019	15241_1.R1084	keyword:zinc-finger(3.0e-34)
10020	uC-osflm202109e01b1	keyword:zinc-finger(3.0e-49)
10021	uC-osroM202039a10b1	keyword:zinc-finger(3.0e-66)
10022	g3763031	keyword:zinc-finger(4.0e-10)
10023	g2442520	keyword:zinc-finger(4.0e-12)
10024	30885_5.R1084	keyword:zinc-finger(4.0e-29)
10025	g3762669	keyword:zinc-finger(4.0e-42)
10026	LIB3475-012-P1-K1-B3	keyword:zinc-finger(5.0e-15)
10027	90324_1.R1084	keyword:zinc-finger(5.0e-17)
10028	945_1.R1084	keyword:zinc-finger(5.0e-28)
10029	g2310863	keyword:zinc-finger(5.0e-46)
10030	30885_3.R1084	keyword:zinc-finger(6.0e-14)
10031	LIB3432-042-P2-K1-C5	keyword:zinc-finger(6.0e-14)
10032	55901_1.R1084	keyword:zinc-finger(6.0e-17)
10033	uC-osflcyp061a07b1	keyword:zinc-finger(6.0e-19)
10034	5501_1.R1084	keyword:zinc-finger(6.0e-40)
10035	uC-osflcyp025h12b1	keyword:zinc-finger(6.0e-50)
10036	65347_1.R1084	keyword:zinc-finger(7.0e-15)
10037	22752_1.R1084	keyword:zinc-finger(7.0e-17)
10038	LIB3477-005-P1-K1-B6	keyword:zinc-finger(7.0e-25)
10039	uC-osflcyp129b04a1	keyword:zinc-finger(7.0e-25)
10040	47079_1.R1084	keyword:zinc-finger(7.0e-36)
10041	2_3.R1084	keyword:zinc-finger(7.0e-62)
10042	LIB3434-052-P1-K1-C10	keyword:zinc-finger(8.0e-09)
10043	uC-osroM202017h09b1	keyword:zinc-finger(8.0e-11)
10044	g700954	keyword:zinc-finger(8.0e-15)
10045	LIB3475-005-P1-K1-A12	keyword:zinc-finger(8.0e-19)
10046	18382_1.R1084	keyword:zinc-finger(9.0e-09)
10047	LIB3433-013-Q6-K1-C2	keyword:zinc-finger(9.0e-10)
10048	g2428309	keyword:zinc-finger(9.0e-19)
10049	LIB3431-019-P1-K1-E3	keyword:zinc-finger(9.0e-26)
10050	33471_1.R1084	lim(HMM:0.00033)
10051	36105_1.R1084	lim(HMM:1.1e-10)
10052	29906_1.R1084	lim(HMM:1.4e-14)
10053	32464_1.R1084	lim(HMM:3.6e-16)
10054	47245_1.R1084	lim(HMM:4.8e-13)
10055	15955_1.R1084	lim(HMM:5.1e-14)
10056	uC-osflcyp029a12b1	lim(HMM:8.2e-15)
10057	29109_1.R1084	lim(HMM:9.9e-30)
10058	10135_1.R1084	linker_histone(HMM:0.00041)
10059	g4880179	linker_histone(HMM:0.0033)
10060	58045_2.R1084	"linker_histone(HMM:0.014),my b_dna-binding(HMM:0.00018)"
10061	g3106829	linker_histone(HMM:0.023)
10062	uC-osflcyp033a05b1	linker_histone(HMM:0.65)
10063	6443_2.R1084	linker_histone(HMM:1.2e-40)
10064	6443_1.R1084	linker_histone(HMM:1.6e-22)
10065	1650_1.R1084	linker_histone(HMM:1.7e-29)
10066	g3768078	linker_histone(HMM:2.5e-07)
10067	361_1.R1084	linker_histone(HMM:3.4e-27)
10068	565_1.R1084	linker_histone(HMM:3e-20)
10069	24136_1.R1084	linker_histone(HMM:4.2e-35)
10070	316_1.R1084	linker_histone(HMM:5.5e-20)

10071	361_2.R1084	linker_histone(HMM:7.5e-13)
10072	361_8.R1084	linker_histone(HMM:8.1e-24)
10073	g1044913	myb_dna-binding(HMM:0.00018)
10074	11900_1.R1084	myb_dna-binding(HMM:0.00083)
10075	uC-osflm202109f10b1	myb_dna-binding(HMM:0.00083)
10076	g5038822	myb_dna-binding(HMM:0.0059)
10077	19338_1.R1084	myb_dna-binding(HMM:0.0067)
10078	LIB3432-060-P1-K1-G9	myb_dna-binding(HMM:0.011)
10079	29944_1.R1084	myb_dna-binding(HMM:0.032)
10080	uC-osflcyp085a07b1	myb_dna-binding(HMM:0.053)
10081	2963_2.R1084	myb_dna-binding(HMM:0.063)
10082	uC-osroM202011d03b1	myb_dna-binding(HMM:0.081)
10083	25807_1.R1084	myb_dna-binding(HMM:0.11)
10084	g2427551	myb_dna-binding(HMM:0.13)
10085	g3761372	myb_dna-binding(HMM:0.21)
10086	g3768333	myb_dna-binding(HMM:0.35)
10087	LIB3475-005-P1-K1-C3	myb_dna-binding(HMM:1.1e-08)
10088	uC-osflcyp144f11b1	myb_dna-binding(HMM:1.1e-08)
10089	36633_1.R1084	myb_dna-binding(HMM:1.1e-11)
10090	uC-osflcyp029f12b1	myb_dna-binding(HMM:1.1e-17)
10091	uC-osflm202106g04b1	myb_dna-binding(HMM:1.1e-18)
10092	uC-osflcyp037e12b1	myb_dna-binding(HMM:1.1e-19)
10093	57759_1.R1084	myb_dna-binding(HMM:1.1e-23)
10094	g4138298	myb_dna-binding(HMM:1.1e-38)
10095	g2943795	myb_dna-binding(HMM:1.2e-14)
10096	15286_1.R1084	myb_dna-binding(HMM:1.2e-16)
10097	60716_1.R1084	myb_dna-binding(HMM:1.3e-19)
10098	uC-osflcyp159c11b1	myb_dna-binding(HMM:1.3e-45)
10099	g1946266	myb_dna-binding(HMM:1.4e-46)
10100	62726_1.R1084	myb_dna-binding(HMM:1.6)
10101	g428572	myb_dna-binding(HMM:1.6e-05)
10102	66726_1.R1084	myb_dna-binding(HMM:1.7)
10103	52906_1.R1084	myb_dna-binding(HMM:1.7e-34)
10104	g1945280	myb_dna-binding(HMM:1.8e-42)
10105	g2605618	myb_dna-binding(HMM:1.8e-45)
10106	g2943796	myb_dna-binding(HMM:1e-11)
10107	g1945278	myb_dna-binding(HMM:1e-43)
10108	6098_1.R1084	myb_dna-binding(HMM:2.2)
10109	LIB3433-006-Q6-K6-C8	myb_dna-binding(HMM:2.2)
10110	uC-osflcyp039g02b1	myb_dna-binding(HMM:2.2e-13)
10111	5500_1.R1084	myb_dna-binding(HMM:2.5e-18)
10112	uC-osflcyp110b03b1	myb_dna-binding(HMM:2.7)
10113	g2943797	myb_dna-binding(HMM:2.8e-11)
10114	65698_1.R1084	myb_dna-binding(HMM:2e-08)
10115	62069_1.R1084	myb_dna-binding(HMM:2e-25)
10116	254_1.R1084	myb_dna-binding(HMM:2e-43)
10117	15546_1.R1084	myb_dna-binding(HMM:3.1e-19)
10118	g2605620	myb_dna-binding(HMM:3.5e-41)
10119	283_1.R1084	myb_dna-binding(HMM:3.5e-45)
10120	201_3.R1084	myb_dna-binding(HMM:3.6e-20)
10121	72799_1.R1084	myb_dna-binding(HMM:3.6e-20)

10122	g2442373	myb_dna-binding(HMM:3.8e-05)
10123	201_1.R1084	myb_dna-binding(HMM:4.3e-46)
10124	g2605624	myb_dna-binding(HMM:4.9e-40)
10125	uC-osrocyp014d02b1	myb_dna-binding(HMM:5.1e-22)
10126	g2943794	myb_dna-binding(HMM:5.3e-12)
10127	96537_1.R1084	myb_dna-binding(HMM:5.7e-06)
10128	g569489	myb_dna-binding(HMM:5.9e-11)
10129	5500_2.R1084	myb_dna-binding(HMM:6.4e-17)
10130	2963_1.R1084	myb_dna-binding(HMM:6.7e-05)
10131	LIB3477-010-P1-K1-A3	myb_dna-binding(HMM:6.8e-23)
10132	g2943798	myb_dna-binding(HMM:6e-12)
10133	LIB3433-019-P1-K1-H3	myb_dna-binding(HMM:7.3e-09)
10134	g2431275	myb_dna-binding(HMM:7.3e-42)
10135	30629_1.R1084	myb_dna-binding(HMM:7.4e-20)
10136	LIB3434-054-P1-K1-G7	myb_dna-binding(HMM:7.6e-19)
10137	LIB3433-021-P1-K1-E2	myb_dna-binding(HMM:7.9e-05)
10138	g2605622	myb_dna-binding(HMM:8.6e-37)
10139	LIB3434-018-P1-K1-F3	myb_dna-binding(HMM:8e-41)
10140	g1945282	myb_dna-binding(HMM:9.8e-41)
10141	25429_1.R1084	nam(HMM:0.00025)
10142	uC-osflcyp108a02b1	nam(HMM:0.00028)
10143	g2280766	nam(HMM:0.0019)
10144	LIB3432-025-P1-K1-C4	nam(HMM:0.0035)
10145	g700446	nam(HMM:0.0052)
10146	g426135	nam(HMM:0.0058)
10147	g3462546	nam(HMM:0.031)
10148	g699894	nam(HMM:0.14)
10149	uC-osroM202007c05b1	nam(HMM:0.14)
10150	58401_1.R1084	nam(HMM:1.2e-77)
10151	73288_1.R1084	nam(HMM:1.4e-06)
10152	uC-osroM202017g09a1	nam(HMM:1.4e-06)
10153	g2311034	nam(HMM:1.5)
10154	70739_1.R1084	nam(HMM:1.5e-11)
10155	69232_1.R1084	nam(HMM:1.5e-18)
10156	23606_1.R1084	nam(HMM:1.9e-06)
10157	77469_1.R1084	nam(HMM:1.9e-07)
10158	45084_1.R1084	nam(HMM:2.1)
10159	LIB3431-001-P1-K1-G9	nam(HMM:2.1e-05)
10160	LIB3432-002-P1-K1-B11	nam(HMM:2.1e-12)
10161	g2310551	nam(HMM:2.5)
10162	LIB3477-009-P1-K1-E12	nam(HMM:2.7e-08)
10163	uC-osrocyp010e10b1	nam(HMM:2.8e-15)
10164	g286580	nam(HMM:2.8e-31)
10165	71900_1.R1084	nam(HMM:2.8e-33)
10166	LIB3432-002-P1-K1-B6	nam(HMM:3.1e-36)
10167	86873_1.R1084	nam(HMM:3.2e-08)
10168	68488_1.R1084	nam(HMM:3.4e-55)
10169	8308_1.R1084	nam(HMM:3.7e-07)
10170	32554_1.R1084	nam(HMM:3.8e-73)
10171	LIB3434-009-P1-K1-B11	nam(HMM:3.9e-10)
10172	g3762088	nam(HMM:4.3e-57)
10173	uC-osroM202005c08b1	nam(HMM:4.8e-07)
10174	uC-osroM202029c07b1	nam(HMM:4.9e-32)
10175	26933_1.R1084	nam(HMM:5.2e-40)

10176	g5003897	nam(HMM:5.3e-18)
10177	uC-osflcyp142b08b1	nam(HMM:5.4e-41)
10178	42911_1.R1084	nam(HMM:6.1e-21)
10179	g3768398	nam(HMM:6.5e-27)
10180	11904_1.R1084	nam(HMM:6.5e-42)
10181	41770_1.R1084	nam(HMM:6.8e-06)
10182	10326_1.R1084	nam(HMM:7.5)
10183	8132_1.R1084	nam(HMM:7e-32)
10184	uC-osrocyp010a11b1	nam(HMM:8.3e-08)
10185	60369_1.R1084	nam(HMM:8.9e-42)
10186	2878_1.R1084	nam(HMM:8e-83)
10187	14254_1.R1084	nam(HMM:9.2e-83)
10188	17383_1.R1084	nap_family(HMM:0.014)
10189	g4715450	nap_family(HMM:0.024)
10190	4673_1.R1084	nap_family(HMM:4.5e-12)
10191	g5004085	nap_family(HMM:4.6e-07)
10192	26430_1.R1084	nap_family(HMM:5.2e-11)
10193	g3107495	nap_family(HMM:9.7e-05)
10194	23048_1.R1084	nap_family(HMM:9.9e-134)
10195	473_3.R1084	phd(HMM:0.00026)
10196	4628_1.R1084	phd(HMM:0.00027)
10197	21284_1.R1084	phd(HMM:0.0036)
10198	30447_1.R1084	phd(HMM:0.047)
10199	806_1.R1084	phd(HMM:0.049)
10200	g3107408	phd(HMM:0.052)
10201	LIB3432-044-P1-K1-F12	phd(HMM:0.66)
10202	71359_1.R1084	phd(HMM:1.5e-11)
10203	15349_1.R1084	phd(HMM:1e-05)
10204	834_1.R1084	phd(HMM:2.5e-13)
10205	g2310253	phd(HMM:2.8e-12)
10206	33858_1.R1084	phd(HMM:3.2e-10)
10207	LIB3475-001-P1-K2-A6	phd(HMM:4.6e-05)
10208	g2310356	phd(HMM:4.9e-13)
10209	33805_1.R1084	phd(HMM:5.5e-07)
10210	3817_1.R1084	phd(HMM:8.7e-12)
10211	6912_2.R1084	response_reg(HMM:0.0024)
10212	g428412	response_reg(HMM:0.0046)
10213	18941_1.R1084	response_reg(HMM:0.13)
10214	g428793	response_reg(HMM:0.25)
10215	g2310482	response_reg(HMM:0.46)
10216	6694_1.R1084	response_reg(HMM:1.1e-29)
10217	27227_1.R1084	response_reg(HMM:2.5e-33)
10218	65600_1.R1084	response_reg(HMM:6.7e-05)
10219	uC-osflcyp152a08b1	response_reg(HMM:6e-36)
10220	30154_1.R1084	response_reg(HMM:8.8e-10)
10221	uC-osflM202098d12b1	response_reg(HMM:8e-08)
10222	57553_1.R1084	sbpb(HMM:0.00027)
10223	g3060979	sbpb(HMM:0.00029)
10224	g2427896	sbpb(HMM:0.0017)
10225	LIB3431-005-P1-K1-A11	sbpb(HMM:1.2e-07)
10226	uC-osflcyp111h05b1	sbpb(HMM:4e-22)
10227	413_1.R1084	sbpb(HMM:4e-41)
10228	LIB3431-003-P1-K1-F10	scr(HMM:0.00012)
10229	g2428032	scr(HMM:0.00014)

10230	g2800755	scr(HMM:0.0015)
10231	LIB3475-010-P1-K1-G4	scr(HMM:0.013)
10232	LIB3475-004-P1-K2-A7	scr(HMM:0.034)
10233	3411_1.R1084	scr(HMM:0.11)
10234	LIB3434-055-P1-K1-A3	scr(HMM:0.24)
10235	18680_1.R1084	scr(HMM:1.7e-06)
10236	uC-osflcyp154e07b1	scr(HMM:1.9e-12)
10237	58370_1.R1084	scr(HMM:2.2e-08)
10238	16838_1.R1084	scr(HMM:2.3e-05)
10239	869_1.R1084	scr(HMM:2.4e-09)
10240	92707_1.R1084	scr(HMM:2e-24)
10241	g1632595	scr(HMM:4.8e-10)
10242	uC-osroM202029e07a1	scr(HMM:5.5)
10243	73928_1.R1084	scr(HMM:5.8e-10)
10244	47013_1.R1084	scr(HMM:8.5e-19)
10245	uC-osflM202039c07b1	scr(HMM:8.8e-13)
10246	LIB3434-040-P1-K1-A12	scr(HMM:9.3e-30)
10247	LIB3433-008-Q6-K1-D12	set(HMM:0.0009)
10248	g286292	set(HMM:0.29)
10249	g3767459	set(HMM:1.3e-10)
10250	LIB3474-011-P1-K1-F11	set(HMM:1.6e-07)
10251	g6024918	set(HMM:2.3e-05)
10252	13697_1.R1084	set(HMM:2.8e-40)
10253	69773_1.R1084	set(HMM:3.2e-14)
10254	1282_1.R1084	set(HMM:6.9e-12)
10255	34943_1.R1084	set(HMM:7.2e-06)
10256	LIB3434-021-P1-K1-B11	set(HMM:7.5e-52)
10257	uC-osflM202075a05b1	snf2_n(HMM:0.00023)
10258	uC-osflm202106b05b1	snf2_n(HMM:0.017)
10259	10281_1.R1084	snf2_n(HMM:1.8e-13)
10260	g4878434	snf2_n(HMM:2.9e-28)
10261	LIB3432-034-P2-K1-D8	snf2_n(HMM:3e-10)
10262	g568929	snf2_n(HMM:3e-20)
10263	g2310168	snf2_n(HMM:6.9e-06)
10264	g5002985	snf2_n(HMM:6e-05)
10265	g3061059	srf-tf(HMM:0.017)
10266	g5426465	srf-tf(HMM:1.1e-27)
10267	uC-osflcyp174g12b1	srf-tf(HMM:1.2e-28)
10268	16_1.R1084	srf-tf(HMM:1.4e-29)
10269	25529_1.R1084	srf-tf(HMM:1.5e-05)
10270	g700642	srf-tf(HMM:1.5e-33)
10271	uC-osflM202096e01b1	srf-tf(HMM:2.1e-06)
10272	uC-osflcyp139b07b1	srf-tf(HMM:2.2e-22)
10273	g426557	srf-tf(HMM:2.7e-38)
10274	g6012815	srf-tf(HMM:3.5e-20)
10275	LIB3431-031-P1-K1-H7	srf-tf(HMM:3.9)
10276	g5003359	srf-tf(HMM:3.9e-33)
10277	LIB3432-010-P1-K1-H6	srf-tf(HMM:4.1e-16)
10278	uC-osflM202089a01b1	srf-tf(HMM:4e-32)
10279	uC-osflcyp126b06b1	srf-tf(HMM:5.6e-38)
10280	uC-osflcyp021c04b1	srf-tf(HMM:6.5e-33)
10281	g3763404	tbp(HMM:1.7e-38)
10282	20009_1.R1084	tbp(HMM:1.8e-38)
10283	g2312500	tbp(HMM:5.9e-38)

10284	55698_1.R1084	tbp(HMM:9e-39)
10285	g2442643	teo(HMM:0.00054)
10286	196_1.R1084	teo(HMM:1.1e-36)
10287	g2580437	teo(HMM:1.6e-39)
10288	uC-osflcyp154c11b1	teo(HMM:2.8e-37)
10289	uC-osrocyp034e01a1	teo(HMM:4e-30)
10290	g5003300	teo(HMM:5.4e-20)
10291	50960_1.R1084	tfiis(HMM:0.01)
10292	31151_2.R1084	tfiis(HMM:1.9e-14)
10293	uC-osflcyp081e09b1	tfiis(HMM:3.3e-12)
10294	8460_1.R1084	tfiis(HMM:4.2e-07)
10295	32881_1.R1084	transcript_fac2(HMM:9e-23)
10296	uC-osroM202008e08a1	trihelix(HMM:0.0037)
10297	43338_1.R1084	trihelix(HMM:2.2e-55)
10298	uC-osflm202102e01b1	trihelix(HMM:2e-05)
10299	LIB3475-004-P1-K2-E8	trihelix(HMM:4.8)
10300	LIB3433-042-P1-K1-H2	wrky(HMM:0.00011)
10301	uC-osflcyp011c08b1	wrky(HMM:0.00019)
10302	g2800851	wrky(HMM:0.00025)
10303	72918_1.R1084	wrky(HMM:0.00059)
10304	g2798493	wrky(HMM:0.0017)
10305	g2800142	wrky(HMM:0.0017)
10306	LIB3431-016-P1-K1-D12	wrky(HMM:0.0018)
10307	14435_1.R1084	wrky(HMM:0.18)
10308	uC-osrocyp012c07b1	wrky(HMM:0.18)
10309	LIB3432-039-P1-K1-E2	wrky(HMM:1.1e-12)
10310	LIB3431-050-P1-K1-E10	wrky(HMM:1.5)
10311	uC-osflcyp101b09b1	wrky(HMM:1.5)
10312	60508_1.R1084	wrky(HMM:1.7e-18)
10313	g3608507	wrky(HMM:1e-34)
10314	LIB3434-014-P1-K1-E4	wrky(HMM:2.9e-40)
10315	uC-osroM202020e10b1	wrky(HMM:3.6e-30)
10316	LIB3431-058-P1-K1-A3	wrky(HMM:3.7)
10317	1072_1.R1084	wrky(HMM:3.7e-77)
10318	LIB3432-012-P1-K1-F1	wrky(HMM:3e-44)
10319	26004_1.R1084	wrky(HMM:4.1e-15)
10320	g5455512	wrky(HMM:4.5e-23)
10321	g4715891	wrky(HMM:5.4e-12)
10322	g5038691	wrky(HMM:5.5e-15)
10323	60965_1.R1084	wrky(HMM:5.9e-14)
10324	uC-osflM202091c10b1	wrky(HMM:7.3e-12)
10325	54054_1.R1084	wrky(HMM:7e-40)
10326	24687_1.R1084	wrky(HMM:9.5e-07)
10327	48654_1.R1084	"zf-b_box(HMM:0.0044),zf-constans(HMM:6e-28)"
10328	6_1.R1084	"zf-b_box(HMM:0.0085),zf-constans(HMM:1.6e-19)"
10329	7_1.R1084	"zf-b_box(HMM:0.013),zf-constans(HMM:2e-40)"
10330	5_1.R1084	"zf-b_box(HMM:0.049),zf-constans(HMM:1.4e-39)"
10331	2_1.R1084	"zf-b_box(HMM:0.057),zf-constans(HMM:8.2e-39)"
10332	3_1.R1084	"zf-b_box(HMM:6.3e-05),zf-

52914_1.R1084
g3760343
LIB3433-031-P1-K1-B4
34727_1.R1084
g5607479
45631_1.R1084
uC-osroM202007h05b1
16349_1.R1084
LIB3477-009-P1-K1-E9
1503_1.R1084
g3760342
16755_1.R1084
LIB3433-017-Q6-K1-C1
g3767877
uC-osflcyp120h01b1
uC-osflcyp162h01b1
LIB3432-023-P1-K1-D7
g2309927
uC-osflm202108h12b1
g2309767
67501_1.R1084
22342_1.R1084
22156_1.R1084
LIB3431-048-P1-N1-C5
52198_1.R1084
g2429020
uC-osflm202066e03b1
LIB3432-009-P1-K1-C1
LIB3431-038-P1-K1-C11
LIB3431-024-P1-N1-G12
uC-osflcyp017e04b1
76997_1.R1084
uC-osflcyp170d03b1
47632_1.R1084
g4715309
18509_1.R1084
18890_1.R1084
LIB3434-055-P1-K1-B3
20000_1.R1084
g286281
g3760607
g4968908
87838_1.R1084
uC-osflcyp050c09a1
uC-osroM202027a06a1
uC-osflcyp174e03b1
14933_1.R1084
14933_2.R1084
uC-osflcyp115d03a1
LIB3477-007-P1-K1-E7
47459_1.R1084
12231_1.R1084
uC-osflcyp009g02b1

constans(HMM:4.5e-42)"
zf-c2h2(HMM:0.00058)
zf-c2h2(HMM:0.0011)
zf-c2h2(HMM:0.023)
zf-c2h2(HMM:0.03)
zf-c2h2(HMM:0.041)
zf-c2h2(HMM:1.3e-09)
zf-c2h2(HMM:1.3e-09)
zf-c2h2(HMM:1.3e-10)
zf-c2h2(HMM:2.3e-05)
zf-c2h2(HMM:4.8e-06)
zf-c2h2(HMM:5.9e-09)
zf-c3hc4(HMM:0.00015)
zf-c3hc4(HMM:0.00022)
zf-c3hc4(HMM:0.00026)
zf-c3hc4(HMM:0.00091)
zf-c3hc4(HMM:0.0012)
zf-c3hc4(HMM:0.0016)
zf-c3hc4(HMM:0.0017)
zf-c3hc4(HMM:0.0021)
zf-c3hc4(HMM:0.0024)
zf-c3hc4(HMM:0.0027)
zf-c3hc4(HMM:0.0033)
zf-c3hc4(HMM:0.0036)
zf-c3hc4(HMM:0.0038)
zf-c3hc4(HMM:0.0042)
zf-c3hc4(HMM:0.0042)
zf-c3hc4(HMM:0.0044)
zf-c3hc4(HMM:0.0047)
zf-c3hc4(HMM:0.0049)
zf-c3hc4(HMM:0.0052)
zf-c3hc4(HMM:0.0061)
zf-c3hc4(HMM:0.0092)
zf-c3hc4(HMM:0.013)
zf-c3hc4(HMM:0.015)
zf-c3hc4(HMM:0.015)
zf-c3hc4(HMM:0.019)
zf-c3hc4(HMM:0.019)
zf-c3hc4(HMM:0.021)
zf-c3hc4(HMM:0.027)
zf-c3hc4(HMM:0.027)
zf-c3hc4(HMM:0.027)
zf-c3hc4(HMM:0.038)
zf-c3hc4(HMM:0.072)
zf-c3hc4(HMM:0.072)
zf-c3hc4(HMM:0.072)
zf-c3hc4(HMM:0.095)
zf-c3hc4(HMM:0.18)
zf-c3hc4(HMM:0.18)
zf-c3hc4(HMM:0.47)
zf-c3hc4(HMM:1.1e-08)
zf-c3hc4(HMM:1.1e-09)
zf-c3hc4(HMM:1.2e-06)
zf-c3hc4(HMM:1.2e-06)

1499_1.R1084
g2427787
LIB3433-022-P1-K1-G8
g2312701
11646_1.R1084
uC-osrocyp003g03a1
15093_1.R1084
54088_1.R1084
20240_1.R1084
LIB3433-011-Q6-K1-F4
20366_1.R1084
uC-osrocyp003g06a1
g2311727
53008_1.R1084
35244_1.R1084
4677_1.R1084
16612_1.R1084
18218_1.R1084
3841_1.R1084
78518_1.R1084
16696_2.R1084
11602_1.R1084
g428862
LIB3434-017-P1-K1-A10
2624_1.R1084
uC-osrocyp036f12b1
21895_1.R1084
uC-osrocyp036f02b1
43821_1.R1084
g4878432
29823_1.R1084
2844_1.R1084
uC-osrocyp008g04a1
71198_1.R1084
924_1.R1084
19029_1.R1084
20812_1.R1084
3244_1.R1084
uC-osf1M202061g07b1
25531_1.R1084
25531_2.R1084
21411_1.R1084
LIB3474-003-P1-K1-G2
g4969130
g2801257
uC-osroM202029c04b1
51042_1.R1084
14796_1.R1084
964_1.R1084
965_1.R1084
g1631940
LIB3431-024-P1-K1-G12
51043_1.R1084
32357_1.R1084

zf-c3hc4(HMM:1.2e-08)
zf-c3hc4(HMM:1.2e-09)
zf-c3hc4(HMM:1.3e-07)
zf-c3hc4(HMM:1.3e-08)
zf-c3hc4(HMM:1.4)
zf-c3hc4(HMM:1.4)
zf-c3hc4(HMM:1.5)
zf-c3hc4(HMM:1.7e-07)
zf-c3hc4(HMM:1.7e-12)
zf-c3hc4(HMM:1.7e-12)
zf-c3hc4(HMM:1.8e-10)
zf-c3hc4(HMM:1e-09)
zf-c3hc4(HMM:2.4e-11)
zf-c3hc4(HMM:2.5e-08)
zf-c3hc4(HMM:2.6e-07)
zf-c3hc4(HMM:2.8e-10)
zf-c3hc4(HMM:2.9e-11)
zf-c3hc4(HMM:2e-10)
zf-c3hc4(HMM:2e-12)
zf-c3hc4(HMM:3.4e-08)
zf-c3hc4(HMM:3.5e-09)
zf-c3hc4(HMM:3.6e-06)
zf-c3hc4(HMM:3.6e-07)
zf-c3hc4(HMM:3.6e-08)
zf-c3hc4(HMM:3.8e-06)
zf-c3hc4(HMM:3.8e-10)
zf-c3hc4(HMM:3.8e-11)
zf-c3hc4(HMM:4.1e-10)
zf-c3hc4(HMM:4.4e-11)
zf-c3hc4(HMM:4.6e-10)
zf-c3hc4(HMM:4.8e-06)
zf-c3hc4(HMM:4.9e-10)
zf-c3hc4(HMM:5e-05)
zf-c3hc4(HMM:5e-11)
zf-c3hc4(HMM:6.4e-10)
zf-c3hc4(HMM:7.4e-07)
zf-c3hc4(HMM:7e-05)
zf-c3hc4(HMM:8.2e-09)
zf-c3hc4(HMM:8.5e-12)
zf-c3hc4(HMM:9.6e-08)
zf-c3hc4(HMM:9.6e-08)
zf-c3hc4(HMM:9.8e-05)
zf-c3hc4(HMM:9.9e-09)
zf-ccch(HMM:0.00027)
zf-ccch(HMM:0.00029)
zf-ccch(HMM:0.0051)
zf-ccch(HMM:0.086)
zf-ccch(HMM:0.2)
zf-ccch(HMM:1.4e-08)
zf-ccch(HMM:1.7e-08)
zf-ccch(HMM:3.7e-06)
zf-ccch(HMM:3.9e-10)
zf-ccch(HMM:4.4e-09)
zf-ccch(HMM:5.1e-09)

10440	g2428543	zf-ccch(HMM:6.7e-09)
10441	LIB3474-006-P1-K1-A5	zf-cchc(HMM:0.0001)
10442	uC-osflM202020g01b1	zf-cchc(HMM:0.00062)
10443	5084_1.R1084	zf-cchc(HMM:0.0047)
10444	62211_1.R1084	zf-cchc(HMM:0.015)
10445	101595_1.R1084	zf-cchc(HMM:1.1e-05)
10446	g286337	zf-cchc(HMM:1.3e-05)
10447	37716_1.R1084	zf-cchc(HMM:1.6e-19)
10448	LIB3434-029-P1-K1-D7	zf-cchc(HMM:1.8e-22)
10449	21958_1.R1084	zf-cchc(HMM:2.1e-16)
10450	3851_1.R1084	zf-cchc(HMM:2.2e-10)
10451	g2311551	zf-cchc(HMM:2e-06)
10452	g286705	zf-cchc(HMM:3.1e-05)
10453	3770_1.R1084	zf-cchc(HMM:3.4e-05)
10454	g2800841	zf-cchc(HMM:3.7e-11)
10455	24304_1.R1084	zf-cchc(HMM:4.7e-28)
10456	LIB3433-037-P1-K1-F2	zf-cchc(HMM:5.6e-05)
10457	7792_1.R1084	zf-cchc(HMM:6.7e-05)
10458	LIB3599-001-P1-K6-H9	zf-cchc(HMM:6.8e-06)
10459	uC-osflcyp173f05b1	zf-cchc(HMM:7.7e-06)
10460	LIB3432-017-P1-K1-C3	zf-cchc(HMM:9.5e-06)
10461	uC-osflcyp173f04b1	zf-constans(HMM:0.48)
10462	LIB3474-001-P1-K1-C3	zf-constans(HMM:1.3e-12)
10463	2_2.R1084	zf-constans(HMM:2.3e-39)
10464	1_1.R1084	zf-constans(HMM:2.5e-28)
10465	LIB3474-003-P1-K1-B7	zf-constans(HMM:3.5e-15)
10466	LIB3433-026-P1-K1-D1	zf-constans(HMM:4.5e-18)
10467	2_4.R1084	zf-constans(HMM:6.7e-37)
10468	uC-osroM202022c01b1	zf-mynd(HMM:0.0038)
10469	LIB3434-065-P1-K1-B5	zf-mynd(HMM:0.029)
10470	LIB3431-021-P1-K1-B10	zf-mynd(HMM:2.9e-11)
10471	g2428360	zf-mynd(HMM:4.2e-11)
10472	14089_1.R1084	zz(HMM:0.011)
10473	27898_1.R1084	zz(HMM:0.078)
10474	10968_1.R1084	zz(HMM:2.5e-05)

Table 8. Nucleic acid sequences encoding transcription factors from soy.

SEQ NUM	SEQ ID	Family/Method/E-value
10475	LIB3170-033-Q1-K1-B1	14-3-3(HMM:0.00015)
10476	LIB3170-001-Q1-K1-C8	14-3-3(HMM:0.00018)
10477	LIB3106-074-Q1-K1-A6	14-3-3(HMM:0.00042),hmg_box(HMM:6.1e-16)
10478	LIB3093-015-Q1-K2-C6	14-3-3(HMM:0.00048)
10479	ncj700977467.h1	14-3-3(HMM:0.0022)
10480	391_2.R1040	14-3-3(HMM:0.0023)
10481	LIB3040-008-Q1-E1-D4	14-3-3(HMM:0.0024)
10482	LIB3139-012-P1-N1-A2	14-3-3(HMM:0.042)
10483	LIB3094-060-Q1-K1-E2	14-3-3(HMM:0.047)
10484	488_2.R1040	14-3-3(HMM:0.14)
10485	gsv701044857.h1	14-3-3(HMM:1.1e-21)
10486	LIB3092-003-Q1-K1-G11	14-3-3(HMM:1.1e-31)
10487	jC-gmst02400020g07a1	14-3-3(HMM:1.2e-05)
10488	pmv700891610.h1	14-3-3(HMM:1.2e-14)
10489	g5688049	14-3-3(HMM:1.3)
10490	1352_6.R1040	14-3-3(HMM:1.5e-05)
10491	leu701149301.h1	14-3-3(HMM:1.5e-05)
10492	LIB3094-060-Q1-K1-D9	14-3-3(HMM:1.5e-07)
10493	LIB3051-101-Q1-K1-B10	14-3-3(HMM:1.5e-11)
10494	1352_13.R1040	14-3-3(HMM:1.5e-15)
10495	g4396037	14-3-3(HMM:1.5e-18)
10496	hyd700730549.h1	14-3-3(HMM:1.6e-11)
10497	488_1.R1040	14-3-3(HMM:1.6e-115)
10498	jex700908750.h1	14-3-3(HMM:1.6e-13)
10499	1352_1.R1040	14-3-3(HMM:1.6e-81)
10500	fC-gmst700661063a3	14-3-3(HMM:1.7e-06)
10501	LIB3092-034-Q1-K1-F9	14-3-3(HMM:1.7e-07)
10502	LIB3094-072-Q1-K1-C6	14-3-3(HMM:1.7e-24)
10503	LIB3028-005-Q1-B1-B10	14-3-3(HMM:1e-22)
10504	LIB3106-054-Q1-K1-A4	14-3-3(HMM:2.1e-09)
10505	wvk700681984.h1	14-3-3(HMM:2.2e-07)
10506	uC-gmflminsoy100a11b1	14-3-3(HMM:2e-16)
10507	seb700654252.h1	14-3-3(HMM:2e-23)
10508	hrw701063321.h1	14-3-3(HMM:2e-26)
10509	vwf700673717.h1	14-3-3(HMM:3.1e-06)
10510	LIB3094-073-Q1-K1-C4	14-3-3(HMM:3.1e-10)
10511	vzy700755182.h1	14-3-3(HMM:3.1e-24)
10512	leu701148161.h1	14-3-3(HMM:3.4e-09)
10513	vzy700754077.h1	14-3-3(HMM:3.4e-10)
10514	zsg701123836.h1	14-3-3(HMM:3.4e-16)
10515	uaw700666294.h1	14-3-3(HMM:3.5e-37)
10516	213_7.R1040	14-3-3(HMM:3.9e-46)
10517	LIB3040-061-Q1-E1-D10	14-3-3(HMM:4.2e-06)
10518	gsv701053255.h1	14-3-3(HMM:4.2e-14)
10519	391_1.R1040	14-3-3(HMM:4.2e-180)
10520	smc700748260.h1	14-3-3(HMM:4.2e-25)
10521	zhf700956003.h1	14-3-3(HMM:4.3)
10522	smc700746076.h1	14-3-3(HMM:4.4e-09)
10523	213_5.R1040	14-3-3(HMM:4.4e-16)
10524	uC-gmropic018h09b1	14-3-3(HMM:5.4e-18)

10525	g5753155	14-3-3(HMM:5.4e-32)
10526	pmv700889571.h1	14-3-3(HMM:5.7e-24)
10527	1352_3.R1040	14-3-3(HMM:5.9e-08)
10528	seb700652419.h1	14-3-3(HMM:6.3e-11)
10529	asn701139613.h1	14-3-3(HMM:6.7e-20)
10530	jex700905495.h1	14-3-3(HMM:6.7e-20)
10531	1352_4.R1040	14-3-3(HMM:6.8e-28)
10532	zsg701123883.h1	14-3-3(HMM:6e-15)
10533	114137_1.R1040	14-3-3(HMM:6e-169)
10534	1352_2.R1040	14-3-3(HMM:6e-181)
10535	wvk700681991.h1	14-3-3(HMM:7)
10536	LIB3051-099-Q1-K1-H7	14-3-3(HMM:7.3e-08)
10537	9096_1.R1040	14-3-3(HMM:7.3e-170)
10538	ncj700981162.h1	14-3-3(HMM:7.5e-31)
10539	LIB3170-035-Q1-J1-B12	14-3-3(HMM:8.3e-10)
10540	9096_2.R1040	14-3-3(HMM:8.7e-05)
10541	486_1.R1040	14-3-3(HMM:8.7e-168)
10542	smc700744868.h1	14-3-3(HMM:9.4e-28)
10543	LIB3139-116-P1-N1-E7	14-3-3(HMM:9.5e-09)
10544	141047_1.R1040	ank(HMM:0.00012)
10545	102151_2.R1040	ank(HMM:0.00016)
10546	uC-gmrominsoy300g05b1	ank(HMM:0.00016)
10547	18623_1.R1040	ank(HMM:0.0002)
10548	LIB3138-060-Q1-N1-C7	ank(HMM:0.00049)
10549	uC-gmrominsoy285e09b1	ank(HMM:0.00071)
10550	jC-gmfl02220050f11a1	ank(HMM:0.0018)
10551	jC-gmle01810005e06a1	ank(HMM:0.0021)
10552	uaw700663354.h1	ank(HMM:0.0023)
10553	jC-gmfl02220096f06a1	ank(HMM:0.0032)
10554	134733_1.R1040	ank(HMM:0.0038)
10555	21198_3.R1040	ank(HMM:0.0041)
10556	302893_1.R1040	ank(HMM:0.0064)
10557	28488_2.R1040	ank(HMM:0.0067)
10558	gsv701055674.h1	ank(HMM:0.0068)
10559	jC-gmle01810019e09a2	ank(HMM:0.0081)
10560	30321_1.R1040	ank(HMM:0.01)
10561	ncj700981286.h1	ank(HMM:0.01)
10562	148879_1.R1040	ank(HMM:0.011)
10563	49849_1.R1040	ank(HMM:0.02)
10564	7164_1.R1040	ank(HMM:0.026)
10565	zsp700832793.h1	ank(HMM:0.045)
10566	64556_1.R1040	ank(HMM:0.051)
10567	57853_1.R1040	ank(HMM:0.052)
10568	uC-gmropic087g02b1	ank(HMM:0.052)
10569	LIB3092-062-Q1-K1-D4	ank(HMM:0.1)
10570	sat701005372.h1	ank(HMM:0.11)
10571	811_2.R1040	ank(HMM:0.23)
10572	zhf700955213.h1	ank(HMM:1.1e-09)
10573	315019_1.R1040	ank(HMM:1.2e-06)
10574	42377_1.R1040	ank(HMM:1.2e-20)
10575	98958_1.R1040	ank(HMM:1.3e-06)
10576	27213_1.R1040	ank(HMM:1.3e-17)
10577	56964_1.R1040	ank(HMM:1.3e-34)
10578	112209_1.R1040	ank(HMM:1.4e-07)

10579	asn701143257.h1	ank(HMM:1.4e-13)
10580	LIB3028-009-Q1-B1-A6	ank(HMM:1.5e-09)
10581	258910_1.R1040	ank(HMM:1.5e-14)
10582	21198_1.R1040	ank(HMM:1.6e-05)
10583	249570_1.R1040	ank(HMM:1.6e-05)
10584	212569_1.R1040	ank(HMM:1.7e-06)
10585	uC-gmropic061c09b1	ank(HMM:1.8e-15)
10586	154634_1.R1040	ank(HMM:1.9e-05)
10587	290_1.R1040	ank(HMM:1.9e-48)
10588	LIB3087-005-Q1-K1-G2	ank(HMM:1e-06)
10589	154822_1.R1040	ank(HMM:2.1e-06)
10590	1833_1.R1040	ank(HMM:2.2e-22)
10591	awf700838909.h1	ank(HMM:2.3e-06)
10592	3923_1.R1040	ank(HMM:2.3e-11)
10593	uxk700672139.h1	ank(HMM:2.4e-07)
10594	1952_3.R1040	ank(HMM:2.5e-17)
10595	180315_1.R1040	ank(HMM:2.6e-35)
10596	295073_1.R1040	ank(HMM:2.8e-16)
10597	4046_1.R1040	ank(HMM:2.9e-11)
10598	185318_1.R1040	ank(HMM:2.9e-21)
10599	102151_1.R1040	ank(HMM:3.1e-41)
10600	27610_1.R1040	ank(HMM:3.4e-06)
10601	155560_2.R1040	ank(HMM:3.5e-15)
10602	192508_1.R1040	ank(HMM:3.8e-06)
10603	10902_1.R1040	ank(HMM:3.8e-08)
10604	27872_1.R1040	ank(HMM:3.9e-20)
10605	4595_1.R1040	ank(HMM:4.2e-08)
10606	LIB3109-053-Q1-K1-B5	ank(HMM:4.4e-15)
10607	28488_1.R1040	ank(HMM:4.7e-08)
10608	161435_1.R1040	ank(HMM:4.9e-25)
10609	zhf700960775.h1	ank(HMM:5.4)
10610	zsg701121545.h1	ank(HMM:5.4e-10)
10611	42557_1.R1040	ank(HMM:5e-11)
10612	LIB3107-079-Q1-K1-F6	ank(HMM:6.6e-15)
10613	152077_1.R1040	ank(HMM:6.7e-10)
10614	LIB3170-059-Q1-J1-C12	ank(HMM:6.8e-08)
10615	88515_1.R1040	ank(HMM:6.8e-19)
10616	1952_2.R1040	ank(HMM:6.8e-43)
10617	811_1.R1040	ank(HMM:6.9e-12)
10618	64539_1.R1040	ank(HMM:7.2e-11)
10619	49612_1.R1040	ank(HMM:7.8e-15)
10620	107998_1.R1040	ank(HMM:8.5e-14)
10621	rca700996114.h1	ank(HMM:8.6e-06)
10622	42804_1.R1040	ank(HMM:8.6e-07)
10623	rca700998932.h1	ank(HMM:8.7e-12)
10624	48688_1.R1040	ank(HMM:8.8e-09)
10625	2420_1.R1040	ank(HMM:8.8e-16)
10626	43163_1.R1040	ank(HMM:9.3e-14)
10627	29901_1.R1040	"ank(HMM:9.7e-08),btb(HMM:0.0079)"
10628	26379_1.R1040	ank(HMM:9e-13)
10629	sat701013533.h1	ap2-domain(HMM:0.00017)
10630	kil701208549.h1	ap2-domain(HMM:0.00036)
10631	66501_1.R1040	ap2-domain(HMM:0.00041)

10632	192611_1.R1040	ap2-domain(HMM:0.00088)
10633	LIB3050-019-Q1-K1-B5	ap2-domain(HMM:0.0022)
10634	25945_1.R1040	ap2-domain(HMM:0.0025)
10635	jC-gmfl02220072c03a1	ap2-domain(HMM:0.0031)
10636	zhf700963839.h1	ap2-domain(HMM:0.0033)
10637	11571_2.R1040	ap2-domain(HMM:0.0042)
10638	79348_2.R1040	ap2-domain(HMM:0.0045)
10639	zpv700762317.h1	ap2-domain(HMM:0.0056)
10640	uC-gmrominsoy273c02b1	ap2-domain(HMM:0.009)
10641	1862_1.R1040	ap2-domain(HMM:0.01)
10642	296435_1.R1040	ap2-domain(HMM:0.014)
10643	47336_4.R1040	ap2-domain(HMM:0.019)
10644	38136_2.R1040	ap2-domain(HMM:0.16)
10645	hyd700731193.h1	ap2-domain(HMM:0.36)
10646	326823_1.R1040	ap2-domain(HMM:0.39)
10647	jex700904559.h1	ap2-domain(HMM:0.39)
10648	19313_2.R1040	ap2-domain(HMM:0.44)
10649	177074_1.R1040	ap2-domain(HMM:0.8)
10650	230382_1.R1040	ap2-domain(HMM:0.88)
10651	smc700749507.h1	ap2-domain(HMM:1.1)
10652	LIB3093-031-Q1-K1-D8	ap2-domain(HMM:1.1e-08)
10653	1_1.R1040	ap2-domain(HMM:1.1e-42)
10654	46661_1.R1040	ap2-domain(HMM:1.1e-42)
10655	69857_1.R1040	ap2-domain(HMM:1.2e-16)
10656	193678_1.R1040	ap2-domain(HMM:1.2e-34)
10657	LIB3050-008-Q1-E1-F7	ap2-domain(HMM:1.2e-38)
10658	195824_1.R1040	ap2-domain(HMM:1.3e-22)
10659	dpv701102158.h1	ap2-domain(HMM:1.3e-25)
10660	733_17.R1040	ap2-domain(HMM:1.3e-37)
10661	1495_1.R1040	ap2-domain(HMM:1.3e-40)
10662	19313_1.R1040	ap2-domain(HMM:1.3e-41)
10663	253_1.R1040	ap2-domain(HMM:1.4e-36)
10664	4947_1.R1040	ap2-domain(HMM:1.4e-40)
10665	LIB3139-020-P1-N1-D12	ap2-domain(HMM:1.5e-11)
10666	4575_4.R1040	ap2-domain(HMM:1.5e-27)
10667	LIB3055-004-Q1-N1-D2	ap2-domain(HMM:1.5e-28)
10668	1495_2.R1040	ap2-domain(HMM:1.5e-40)
10669	kl1701207375.h1	ap2-domain(HMM:1.6e-11)
10670	gsv701054134.h1	ap2-domain(HMM:1.7e-18)
10671	293335_1.R1040	ap2-domain(HMM:1.7e-30)
10672	18006_1.R1040	ap2-domain(HMM:1.7e-37)
10673	6007_1.R1040	ap2-domain(HMM:1.7e-62)
10674	213082_1.R1040	ap2-domain(HMM:1.8e-30)
10675	116814_1.R1040	ap2-domain(HMM:1.8e-35)
10676	50908_2.R1040	ap2-domain(HMM:1.8e-38)
10677	314831_1.R1040	ap2-domain(HMM:1.9e-06)
10678	31846_2.R1040	ap2-domain(HMM:1.9e-34)
10679	LIB3106-046-Q1-K1-E9	ap2-domain(HMM:1e-24)
10680	38136_1.R1040	"ap2-domain(HMM:1e-26),arf(HMM:0.0021),b3(HMM:1.5e-41)"
10681	65229_1.R1040	ap2-domain(HMM:2.1e-16)
10682	LIB3139-106-P1-N1-D11	ap2-domain(HMM:2.1e-29)
10683	63521_1.R1040	ap2-domain(HMM:2.1e-34)

10684	18207_1.R1040	ap2-domain(HMM:2.1e-38)
10685	207_1.R1040	ap2-domain(HMM:2.1e-38)
10686	84428_1.R1040	ap2-domain(HMM:2.1e-38)
10687	uC-gmrominsoy318d12b1	ap2-domain(HMM:2.2e-19)
10688	jC-gmst02400014h03a1	ap2-domain(HMM:2.2e-32)
10689	42548_1.R1040	ap2-domain(HMM:2.2e-39)
10690	118859_1.R1040	ap2-domain(HMM:2.3e-35)
10691	24098_1.R1040	ap2-domain(HMM:2.3e-36)
10692	4575_1.R1040	ap2-domain(HMM:2.3e-40)
10693	43102_1.R1040	ap2-domain(HMM:2.4e-29)
10694	cle700967818.h1	ap2-domain(HMM:2.5)
10695	5104_2.R1040	ap2-domain(HMM:2.5e-29)
10696	79348_1.R1040	ap2-domain(HMM:2.5e-36)
10697	15301_2.R1040	ap2-domain(HMM:2.6e-38)
10698	1_2.R1040	ap2-domain(HMM:2.6e-38)
10699	15301_1.R1040	ap2-domain(HMM:2.7e-40)
10700	jC-gmle01810054h06a1	ap2-domain(HMM:2.7e-40)
10701	125403_1.R1040	ap2-domain(HMM:2.7e-41)
10702	LIB3106-057-Q1-K1-E2	ap2-domain(HMM:2.9)
10703	197235_1.R1040	ap2-domain(HMM:2.9e-13)
10704	32848_2.R1040	ap2-domain(HMM:2e-20)
10705	224379_1.R1040	ap2-domain(HMM:2e-28)
10706	g4283446	ap2-domain(HMM:2e-30)
10707	LIB3139-034-P1-N1-E11	ap2-domain(HMM:2e-31)
10708	pxt700943089.h1	ap2-domain(HMM:3.2e-17)
10709	1600_1.R1040	ap2-domain(HMM:3.2e-40)
10710	uC-gmflminsoy063h08b1	ap2-domain(HMM:3.3)
10711	2450_14.R1040	ap2-domain(HMM:3.3e-11)
10712	34631_1.R1040	ap2-domain(HMM:3.5e-14)
10713	11571_1.R1040	ap2-domain(HMM:3.5e-24)
10714	uC-gmrominsoy223h06b1	ap2-domain(HMM:3.5e-25)
10715	117623_1.R1040	ap2-domain(HMM:3.5e-34)
10716	kl1701209443.h1	ap2-domain(HMM:3.6e-33)
10717	zsg701123296.h1	ap2-domain(HMM:3.6e-39)
10718	213537_1.R1040	ap2-domain(HMM:3.7e-08)
10719	LIB3139-073-P1-N1-F5	ap2-domain(HMM:3.7e-32)
10720	42990_1.R1040	ap2-domain(HMM:3.7e-40)
10721	1495_3.R1040	ap2-domain(HMM:3.9e-39)
10722	asn701135882.h1	ap2-domain(HMM:3e-26)
10723	122505_1.R1040	ap2-domain(HMM:3e-36)
10724	286_1.R1040	ap2-domain(HMM:3e-64)
10725	147410_1.R1040	ap2-domain(HMM:4.2e-23)
10726	1409_1.R1040	ap2-domain(HMM:4.2e-33)
10727	6295_1.R1040	ap2-domain(HMM:4.2e-38)
10728	pcp700993575.h1	ap2-domain(HMM:4.3e-26)
10729	26582_1.R1040	ap2-domain(HMM:4.4e-39)
10730	2_1.R1040	ap2-domain(HMM:4.4e-39)
10731	6400_1.R1040	ap2-domain(HMM:4.5e-36)
10732	46251_1.R1040	ap2-domain(HMM:4.6e-37)
10733	asn701140084.h1	ap2-domain(HMM:4.7e-06)
10734	47336_3.R1040	ap2-domain(HMM:4.8e-16)
10735	341417_1.R1040	ap2-domain(HMM:4.8e-25)
10736	31846_1.R1040	ap2-domain(HMM:4.9e-34)
10737	jC-gmle01810085a01a1	ap2-domain(HMM:4e-31)

10829	uC-gmropic034b09b1	arf(HMM:3.9e-09)
10830	xzm700763862.h1	arf(HMM:3e-07)
10831	ncj700981106.h1	arf(HMM:4.3e-20)
10832	218459_1.R1040	arf(HMM:4.4e-13)
10833	22209_1.R1040	"arf(HMM:4.9),iaa(HMM:2.8e-36)"
10834	ekl700968235.h1	"arf(HMM:4.9e-26),b3(HMM:0.29)"
10835	16506_1.R1040	arf(HMM:4e-05)
10836	gbt700548085.h1	"arf(HMM:4e-22),b3(HMM:3.8e-11)"
10837	asn701132442.h1	"arf(HMM:5),b3(HMM:0.018)"
10838	63154_1.R1040	arf(HMM:6.4e-20)
10839	172453_1.R1040	arf(HMM:6e-15)
10840	uC-gmrominsoy315f07b1	arf(HMM:6e-23)
10841	uC-gmrominsoy313f09b1	"arf(HMM:7.3e-05),b3(HMM:1.7e-28)"
10842	65621_1.R1040	"arf(HMM:7.3e-05),iaa(HMM:6.1e-36)"
10843	135549_1.R1040	arf(HMM:7.9e-17)
10844	jex700909695.h1	arf(HMM:8.3e-23)
10845	3784_1.R1040	"arf(HMM:8.4e-93),b3(HMM:2.7e-23),iaa(HMM:1.4e-28)"
10846	g5509656	arf(HMM:8.6e-09)
10847	LIB3109-001-Q1-K1-C2	"arf(HMM:9.7e-15),b3(HMM:5.6e-25)"
10848	uxk700672851.h1	arf(HMM:9.8e-08)
10849	158599_1.R1040	arf(HMM:9.8e-35)
10850	uC-gmronoir046b05b1	"arf(HMM:9.9e-19),b3(HMM:1.8e-22)"
10851	wrg700786710.h2	arid(HMM:0.00069)
10852	223889_1.R1040	arid(HMM:0.0081)
10853	4845_1.R1040	arid(HMM:0.011)
10854	136619_1.R1040	arid(HMM:2.2e-06)
10855	136619_2.R1040	arid(HMM:3.4)
10856	214623_1.R1040	arid(HMM:5.8e-11)
10857	205088_1.R1040	arid(HMM:8.6)
10858	ncj700982935.h1	athook(HMM:0.023)
10859	g4437059	athook(HMM:0.029)
10860	332814_1.R1040	b3(HMM:0.00013)
10861	299404_1.R1040	b3(HMM:1.7e-64)
10862	uxk700668877.h1	b3(HMM:2.1e-07)
10863	120032_1.R1040	b3(HMM:3.7e-66)
10864	zvp700764284.h1	b3(HMM:3e-13)
10865	txt700737102.h1	b3(HMM:5.1e-08)
10866	24842_1.R1040	bah(HMM:0.00022)
10867	epx701103702.h1	bah(HMM:0.00037)
10868	43673_2.R1040	bah(HMM:0.002)
10869	kll701203247.h1	bah(HMM:1.1e-07)
10870	4392_1.R1040	"bah(HMM:1.1e-39),phd(HMM:2.5e-05)"
10871	358918_1.R1040	bah(HMM:1.3e-07)
10872	59235_1.R1040	"bah(HMM:1.7e-

10873	jC-gmfl02220061f06a1	38),phd(HMM:5.7e-12)"
10874	137966_1.R1040	bah(HMM:1.9e-14)
10875	23398_1.R1040	bah(HMM:2.4e-10)
10876	43673_1.R1040	bah(HMM:5.5e-23)
10877	LIB3051-009-Q1-E1-A6	bah(HMM:7.6e-23)
10878	pxt700944554.h1	bpf-1(HMM:0.0039)
10879	322857_1.R1040	bpf-1(HMM:1.5e-14)
10880	jC-gmfl02220071d10a1	bpf-1(HMM:2.2e-15)
10881	94407_1.R1040	bpf-1(HMM:2.2e-20)
10882	eep700865834.h1	bpf-1(HMM:2.3e-13)
10883	kl1701213520.h1	bpf-1(HMM:2e-16)
10884	jC-gmro02910008g09a1	bpf-1(HMM:2e-49)
10885	149339_1.R1040	bpf-1(HMM:2e-53)
10886	2577_1.R1040	bpf-1(HMM:3.2e-16)
10887	47866_1.R1040	bpf-1(HMM:3e-101)
		"bpf-1(HMM:4.8e-09),myb_dna-
		binding(HMM:0.045)"
10888	27100_1.R1040	bpf-1(HMM:5.3e-05)
10889	27754_1.R1040	bpf-1(HMM:5.6e-06)
10890	hrw701063373.h1	bpf-1(HMM:6.6e-14)
10891	26870_1.R1040	bpf-1(HMM:6.7e-06)
10892	250806_1.R1040	bromodomain(HMM:0.00042)
10893	sat701014987.h1	bromodomain(HMM:0.002)
10894	fua701039095.h1	bromodomain(HMM:0.0044)
10895	6361_1.R1040	bromodomain(HMM:0.0047)
10896	jC-gmst02400067f07d1	bromodomain(HMM:0.078)
10897	pcp700992681.h1	bromodomain(HMM:0.14)
10898	LIB3051-084-Q1-K1-H7	bromodomain(HMM:0.34)
10899	46082_1.R1040	bromodomain(HMM:1.3e-05)
10900	5611_1.R1040	bromodomain(HMM:2.2e-25)
10901	19322_1.R1040	bromodomain(HMM:2.5e-33)
10902	330421_1.R1040	bromodomain(HMM:2.8e-11)
10903	32930_1.R1040	bromodomain(HMM:2.9e-22)
10904	g4295717	bromodomain(HMM:4.5e-20)
10905	jC-gmro02800033a08a1	bromodomain(HMM:8.4)
10906	121490_1.R1040	bromodomain(HMM:9e-06)
10907	uC-gmropic106h11b1	btb(HMM:0.00057)
10908	LIB3056-012-Q1-N1-E9	btb(HMM:0.00069)
10909	2639_1.R1040	btb(HMM:0.00077)
10910	71950_1.R1040	btb(HMM:0.0016)
10911	kmv700742778.h1	btb(HMM:0.0039)
10912	15535_2.R1040	btb(HMM:0.0055)
10913	2639_3.R1040	btb(HMM:0.0075)
10914	2639_2.R1040	btb(HMM:0.039)
10915	21614_1.R1040	btb(HMM:1.1e-32)
10916	25562_2.R1040	btb(HMM:1.2)
10917	15236_2.R1040	btb(HMM:1.4e-05)
10918	uC-gmflminsoy027c07b1	btb(HMM:1.4e-06)
10919	106512_1.R1040	btb(HMM:2.3e-05)
10920	149168_1.R1040	btb(HMM:2.9e-09)
10921	16847_1.R1040	btb(HMM:2e-24)
10922	15079_1.R1040	btb(HMM:5.5e-28)
10923	25562_1.R1040	btb(HMM:7.7e-06)
10924	141566_1.R1040	btb(HMM:7.7e-10)

20070_1.R1040
26649_1.R1040
24017_1.R1040
uC-gmrominsoy109d01b1
110559_1.R1040
27330_1.R1040
19593_2.R1040
94732_1.R1040
LIB3138-098-P1-N1-A1
LIB3138-098-P1-N1-A10
191779_1.R1040
70779_1.R1040
1411_1.R1040
4565_3.R1040
jC-gmro02800043g12a1
g5606705
70129_1.R1040
jC-gmro02910074b08a1
192532_1.R1040
LIB3093-019-Q1-K1-A6
LIB3056-014-Q1-N1-C12
173_1.R1040
LIB3093-004-Q1-K1-E9
LIB3039-017-Q1-E1-D3
1949_2.R1040
21475_1.R1040
epx701103732.h1
19593_1.R1040
leu701149088.h1
69_3.R1040
27563_1.R1040
g1905784_FL
1210_1.R1040
2271_1.R1040
545_1.R1040
545_2.R1040
21448_1.R1040
62449_1.R1040
20595_1.R1040
2085_2.R1040
2085_1.R1040
339670_1.R1040
2897_1.R1040
2271_2.R1040
g4303675
149_1.R1040
2085_3.R1040
758_5.R1040
618_1.R1040
seb700651877.h1
LIB3138-011-Q1-N1-D6
758_1.R1040
758_2.R1040
23329_1.R1040

btb(HMM:8.3e-27)
btb(HMM:9.2e-10)
btb(HMM:9.6e-21)
bzip(HMM:0.00015)
bzip(HMM:0.00069)
bzip(HMM:0.00099)
bzip(HMM:0.001)
bzip(HMM:0.0012)
bzip(HMM:0.0013)
bzip(HMM:0.0013)
bzip(HMM:0.0016)
bzip(HMM:0.0017)
bzip(HMM:0.0022)
bzip(HMM:0.0022)
bzip(HMM:0.0022)
bzip(HMM:0.0039)
bzip(HMM:0.0047)
bzip(HMM:0.025)
bzip(HMM:0.033)
bzip(HMM:0.059)
bzip(HMM:0.066)
bzip(HMM:0.074)
bzip(HMM:0.094)
bzip(HMM:0.17)
bzip(HMM:0.22)
bzip(HMM:0.91)
bzip(HMM:1.1)
bzip(HMM:1.1e-06)
bzip(HMM:1.3)
bzip(HMM:1.3e-22)
bzip(HMM:1.4e-13)
bzip(HMM:1.7e-19)
bzip(HMM:1.8e-11)
bzip(HMM:1.8e-19)
bzip(HMM:2.1e-21)
bzip(HMM:2.1e-21)
bzip(HMM:2.2e-14)
bzip(HMM:2.3e-14)
bzip(HMM:2.3e-15)
bzip(HMM:2.3e-16)
bzip(HMM:2.6e-16)
bzip(HMM:2.9e-14)
bzip(HMM:2e-09)
bzip(HMM:3.4e-10)
bzip(HMM:3.6e-07)
bzip(HMM:3.8e-11)
bzip(HMM:3.8e-14)
bzip(HMM:3e-05)
bzip(HMM:5.1e-07)
bzip(HMM:5.3e-11)
bzip(HMM:5.7e-08)
bzip(HMM:6.1e-17)
bzip(HMM:6.1e-17)
bzip(HMM:6.2e-06)

10979	82120_1.R1040	bzip(HMM:6.5e-13)
10980	1949_1.R1040	bzip(HMM:9.1e-09)
10981	182497_1.R1040	bzip(HMM:9.1e-24)
10982	544_1.R1040	bzip(HMM:9.9e-22)
10983	23829_2.R1040	cbfd_nfyb_hmf(HMM:0.0065)
10984	12708_1.R1040	cbfd_nfyb_hmf(HMM:0.057)
10985	jC-gmro02910071g08a1	cbfd_nfyb_hmf(HMM:0.23)
10986	6HA-01-Q1-B1-F10	cbfd_nfyb_hmf(HMM:1.1e-08)
10987	3281_5.R1040	cbfd_nfyb_hmf(HMM:1.1e-29)
10988	64072_1.R1040	cbfd_nfyb_hmf(HMM:1.3e-29)
10989	zsg701125040.h1	cbfd_nfyb_hmf(HMM:1.4e-16)
10990	3281_6.R1040	cbfd_nfyb_hmf(HMM:1.6e-15)
10991	31567_2.R1040	cbfd_nfyb_hmf(HMM:1.7e-38)
10992	11427_1.R1040	cbfd_nfyb_hmf(HMM:1.8e-22)
10993	230_1.R1040	cbfd_nfyb_hmf(HMM:1.8e-22)
10994	31567_1.R1040	cbfd_nfyb_hmf(HMM:1.8e-38)
10995	381119_1.R1040	cbfd_nfyb_hmf(HMM:3.4e-21)
10996	127476_1.R1040	cbfd_nfyb_hmf(HMM:3.9e-09)
10997	14105_1.R1040	cbfd_nfyb_hmf(HMM:3e-08)
10998	24922_1.R1040	cbfd_nfyb_hmf(HMM:4.2e-21)
10999	100936_1.R1040	cbfd_nfyb_hmf(HMM:4.7e-39)
11000	gsv701043716.h1	cbfd_nfyb_hmf(HMM:4e-06)
11001	11513_2.R1040	cbfd_nfyb_hmf(HMM:5.4e-26)
11002	23829_1.R1040	cbfd_nfyb_hmf(HMM:5.5e-38)
11003	79176_1.R1040	cbfd_nfyb_hmf(HMM:5.6e-16)
11004	106291_1.R1040	cbfd_nfyb_hmf(HMM:5.7)
11005	11513_1.R1040	cbfd_nfyb_hmf(HMM:6.9e-37)
11006	31567_3.R1040	cbfd_nfyb_hmf(HMM:8.6e-19)
11007	LIB3106-112-Q1-K1-F10	cbfd_nfyb_hmf(HMM:9.5e-07)
11008	uC-gmropic065e01b1	chromo(HMM:0.00066)
11009	LIB3039-003-Q1-E1-D1	chromo(HMM:0.018)
11010	47441_1.R1040	"chromo(HMM:0.21),snf2_n(HMM:2.7e-07)"
11011	295413_1.R1040	chromo(HMM:1.1e-16)
11012	jC-gmle01810043d11d1	chromo(HMM:3.1e-09)
11013	10517_1.R1040	chromo(HMM:4e-17)
11014	vzy700756037.h1	csd(HMM:0.057)
11015	4999_1.R1040	csd(HMM:1.3e-23)
11016	LIB3106-022-Q1-K1-F7	csd(HMM:2.7e-22)
11017	82711_1.R1040	csd(HMM:2e-17)
11018	LIB3051-101-Q1-K1-H12	csd(HMM:5.9e-05)
11019	893_5.R1040	csd(HMM:6.7e-22)
11020	282180_1.R1040	dof(HMM:0.0033)
11021	208892_1.R1040	dof(HMM:0.0054)
11022	jC-gmst02400069b11a1	dof(HMM:0.0071)
11023	asn701139073.h1	dof(HMM:0.038)
11024	dpv701097023.h1	dof(HMM:0.56)
11025	gsv701046954.h1	dof(HMM:0.69)
11026	1984_1.R1040	dof(HMM:1.1e-16)
11027	sat701013157.h1	dof(HMM:1.2e-05)
11028	182948_1.R1040	dof(HMM:1.4)
11029	9004_1.R1040	dof(HMM:1.4e-35)
11030	LIB3109-022-Q1-K1-B12	dof(HMM:1.4e-35)
11031	hrw701060018.h2	dof(HMM:2.4e-07)

11032	18615_4.R1040	dof(HMM:2.4e-34)
11033	18615_1.R1040	dof(HMM:2.6e-36)
11034	18615_3.R1040	dof(HMM:2.6e-36)
11035	250229_1.R1040	dof(HMM:2.6e-36)
11036	LIB3093-022-Q1-K1-E8	dof(HMM:2.6e-36)
11037	wvk700685541.h1	dof(HMM:2.6e-36)
11038	187882_1.R1040	dof(HMM:2.7e-31)
11039	jC-gmfl02220146e12a1	dof(HMM:2.9e-35)
11040	32495_1.R1040	dof(HMM:2e-26)
11041	165353_1.R1040	dof(HMM:3.1e-35)
11042	327999_1.R1040	dof(HMM:3.4e-11)
11043	kl1701212455.h1	dof(HMM:3.6e-35)
11044	107719_1.R1040	dof(HMM:3.7)
11045	wvk700685338.h1	dof(HMM:3.8e-35)
11046	48315_1.R1040	dof(HMM:3.8e-37)
11047	65649_1.R1040	dof(HMM:3.8e-37)
11048	171388_1.R1040	dof(HMM:3.9e-32)
11049	LIB3139-100-P1-N1-D12	dof(HMM:6.3e-05)
11050	g4291469	dof(HMM:6.5e-10)
11051	192599_1.R1040	dof(HMM:6.7e-37)
11052	uC-gmrominsoy244h03b1	dof(HMM:7.3e-08)
11053	g5606389	dof(HMM:7.4e-35)
11054	LIB3109-052-Q1-K1-B9	dof(HMM:7.9e-34)
11055	xpa700794770.h1	dpb(HMM:0.00025)
11056	zsg701117609.h1	dpb(HMM:0.00033)
11057	LIB3051-032-Q1-K1-H11	dpb(HMM:0.00037)
11058	g4276934	dpb(HMM:0.0012)
11059	130066_1.R1040	dpb(HMM:1.1e-78)
11060	uxk700671307.h1	dpb(HMM:1.2e-07)
11061	1296_2.R1040	dpb(HMM:1.3e-18)
11062	2270_2.R1040	dpb(HMM:1.8e-40)
11063	jC-gmfl02220065g11a1	dpb(HMM:2e-07)
11064	98902_1.R1040	dpb(HMM:3e-05)
11065	231881_1.R1040	dpb(HMM:5.9e-17)
11066	5042_1.R1040	dpb(HMM:8.3e-77)
11067	awf700843332.h1	dpb(HMM:9.7e-17)
11068	19648_1.R1040	enbp(HMM:0.0009)
11069	19648_2.R1040	enbp(HMM:0.0056)
11070	192903_1.R1040	enbp(HMM:0.17)
11071	206874_1.R1040	enbp(HMM:1.2e-15)
11072	g5057523	enbp(HMM:1.2e-28)
11073	LIB3051-035-Q1-K1-F2	enbp(HMM:1.3e-08)
11074	LIB3139-086-P1-N1-A7	enbp(HMM:1.7e-09)
11075	64865_2.R1040	enbp(HMM:2.7e-59)
11076	LIB3051-022-Q1-K1-H5	enbp(HMM:2e-10)
11077	64865_3.R1040	enbp(HMM:4.8e-05)
11078	LIB3055-002-Q1-B1-D12	enbp(HMM:4e-24)
11079	34604_1.R1040	enbp(HMM:5.4e-07)
11080	crh700853030.h1	enbp(HMM:6e-19)
11081	105630_1.R1040	enbp(HMM:9.8e-86)
11082	179349_1.R1040	gata(HMM:0.085)
11083	crh700852220.h1	gata(HMM:0.38)
11084	jex700904885.h1	gata(HMM:0.55)
11085	72433_1.R1040	gata(HMM:1.1)

11086	99664_1.R1040	gata(HMM:1.1e-14)
11087	43595_1.R1040	gata(HMM:1.2e-13)
11088	ncj700984309.h1	gata(HMM:1.3)
11089	vwf700678225.h1	gata(HMM:1.6e-06)
11090	25969_2.R1040	gata(HMM:1.7e-11)
11091	rca700999496.h1	gata(HMM:2.2e-16)
11092	33174_1.R1040	gata(HMM:2.6e-09)
11093	15086_1.R1040	gata(HMM:2.9e-10)
11094	43595_3.R1040	gata(HMM:3.3e-12)
11095	27769_3.R1040	gata(HMM:3.7e-14)
11096	264_1.R1040	gata(HMM:4.4e-15)
11097	81690_1.R1040	gata(HMM:4.7e-15)
11098	27769_2.R1040	gata(HMM:4.8e-14)
11099	25969_1.R1040	gata(HMM:5.7e-16)
11100	118539_1.R1040	gata(HMM:7.5e-12)
11101	LIB3107-067-Q1-K1-B12	gata(HMM:9.1e-13)
11102	12730_2.R1040	gld-tea(HMM:0.00012)
11103	18378_1.R1040	gld-tea(HMM:0.0006)
11104	LIB3093-014-Q1-K2-G4	gld-tea(HMM:0.00087)
11105	54671_1.R1040	gld-tea(HMM:0.0014)
11106	29924_2.R1040	gld-tea(HMM:0.0043)
11107	123635_1.R1040	gld-tea(HMM:0.0059)
11108	LIB3139-043-P1-N1-G4	gld-tea(HMM:0.024)
11109	LIB3092-044-Q1-K1-A2	gld-tea(HMM:0.12)
11110	67626_2.R1040	gld-tea(HMM:0.15)
11111	pmv700894234.h1	gld-tea(HMM:0.36)
11112	jC-gmro02910051d04a1	gld-tea(HMM:0.59)
11113	jC-gmro02910037d06a1	gld-tea(HMM:0.81)
11114	64718_1.R1040	gld-tea(HMM:1.2e-26)
11115	jex700909505.h1	gld-tea(HMM:1.3e-12)
11116	166976_1.R1040	gld-tea(HMM:1.3e-41)
11117	LIB3138-033-Q1-N1-F9	gld-tea(HMM:1.4e-29)
11118	jC-gmst02400061g07a1	gld-tea(HMM:1.7e-39)
11119	117488_1.R1040	gld-tea(HMM:1.8e-37)
11120	7634_1.R1040	gld-tea(HMM:1.9e-21)
11121	116969_1.R1040	gld-tea(HMM:1e-09)
11122	29924_1.R1040	gld-tea(HMM:2.1e-30)
11123	smc700748756.h1	gld-tea(HMM:2.2e-32)
11124	148015_1.R1040	gld-tea(HMM:2.3e-28)
11125	33791_1.R1040	gld-tea(HMM:2.3e-33)
11126	33791_2.R1040	gld-tea(HMM:2.3e-33)
11127	jC-gmro02800038h07a1	gld-tea(HMM:2.4e-19)
11128	70088_1.R1040	gld-tea(HMM:2.9e-25)
11129	taw700657234.h1	gld-tea(HMM:2e-31)
11130	sat701008362.h1	gld-tea(HMM:3.2e-17)
11131	rlr700895420.h1	gld-tea(HMM:3.4e-09)
11132	uaw700661263.h1	gld-tea(HMM:3.6e-06)
11133	68701_1.R1040	"gld-tea(HMM:3.9e-12),response_reg(HMM:0.00012)"
11134	LIB3139-043-P1-N1-G10	gld-tea(HMM:4.7e-38)
11135	12730_1.R1040	gld-tea(HMM:5.1e-25)
11136	LIB3028-002-Q1-B1-G9	gld-tea(HMM:5.2e-05)
11137	jC-gmle01810092f09a1	gld-tea(HMM:5.2e-42)

11138	113353_1.R1040	gld-tea(HMM:5.3e-36)
11139	4310_1.R1040	gld-tea(HMM:6.4e-26)
11140	67626_1.R1040	gld-tea(HMM:6.7e-31)
11141	uxk700667772.h1	gld-tea(HMM:6.8e-28)
11142	xpa700795271.h1	gld-tea(HMM:7.4e-20)
11143	29924_3.R1040	gld-tea(HMM:8.2e-10)
11144	160524_1.R1040	gld-tea(HMM:8.3e-38)
11145	pcp700988978.h1	hhh(HMM:0.0037)
11146	136307_1.R1040	hhh(HMM:1e-07)
11147	4163_1.R1040	hhh(HMM:2.1e-05)
11148	pmv700894372.h1	hist_deacetyl(HMM:0.0034)
11149	142885_1.R1040	hist_deacetyl(HMM:0.018)
11150	LIB3170-025-Q1-J1-C9	hist_deacetyl(HMM:0.096)
11151	pxt700945181.h1	hist_deacetyl(HMM:1.6e-15)
11152	148877_1.R1040	hist_deacetyl(HMM:2.1e-05)
11153	153326_1.R1040	hist_deacetyl(HMM:2.1e-05)
11154	122767_1.R1040	hist_deacetyl(HMM:2.1e-13)
11155	124846_1.R1040	hist_deacetyl(HMM:2.2e-23)
11156	62823_1.R1040	hist_deacetyl(HMM:2.3e-07)
11157	LIB3107-041-Q1-K1-G12	hist_deacetyl(HMM:2.5e-15)
11158	bth700849273.h1	hist_deacetyl(HMM:3.3e-11)
11159	172173_1.R1040	hist_deacetyl(HMM:4.5e-28)
11160	zhf700964981.h1	hist_deacetyl(HMM:4.8e-20)
11161	147499_1.R1040	hist_deacetyl(HMM:5.3e-05)
11162	fde700872990.h1	hist_deacetyl(HMM:5.5e-24)
11163	163733_1.R1040	hist_deacetyl(HMM:6.3e-06)
11164	g5687823	hist_deacetyl(HMM:6.3e-08)
11165	163733_2.R1040	hist_deacetyl(HMM:8.4e-07)
11166	LIB3138-035-Q1-N1-A7	hist_deacetyl(HMM:8.5e-28)
11167	3069_1.R1040	hist_deacetyl(HMM:8.8e-104)
11168	235134_1.R1040	hist_deacetyl(HMM:9.4e-18)
11169	LIB3039-023-Q1-E1-D9	histone(HMM:0.00014)
11170	g5688045	histone(HMM:0.0005)
11171	LIB3040-017-Q1-E1-C5	histone(HMM:0.0006)
11172	LIB3049-043-Q1-E1-G8	histone(HMM:0.00064)
11173	asn701136208.h1	histone(HMM:0.0007)
11174	LIB3170-005-Q1-K1-C11	histone(HMM:0.0023)
11175	LIB3051-040-Q1-K1-A1	histone(HMM:0.0078)
11176	LIB3040-009-Q1-E1-E8	histone(HMM:0.021)
11177	LIB3170-009-Q2-K1-H1	histone(HMM:0.069)
11178	LIB3049-016-Q1-E1-F3	histone(HMM:0.087)
11179	LIB3092-022-Q1-K1-E10	histone(HMM:0.09)
11180	5245_1.R1040	histone(HMM:0.14)
11181	LIB3170-032-Q1-K1-A8	histone(HMM:0.16)
11182	hyd700728637.h1	histone(HMM:0.19)
11183	LIB3049-054-Q1-E1-D7	histone(HMM:0.2)
11184	LIB3040-041-Q1-E1-E10	histone(HMM:0.38)
11185	1793_18.R1040	histone(HMM:0.53)
11186	LIB3039-046-Q1-E1-C12	histone(HMM:0.7)
11187	LIB3039-015-Q1-E1-B9	histone(HMM:1.1e-06)
11188	jsh701064263.h1	histone(HMM:1.1e-06)
11189	9139_3.R1040	histone(HMM:1.1e-29)
11190	3239_1.R1040	histone(HMM:1.1e-51)
11191	3239_2.R1040	histone(HMM:1.1e-51)

11192	LIB3053-009-Q1-N1-B6	histone(HMM:1.2)
11193	LIB3049-030-Q1-E1-E8	histone(HMM:1.2e-12)
11194	LIB3050-004-Q1-E1-A7	histone(HMM:1.2e-12)
11195	1313_4.R1040	histone(HMM:1.2e-14)
11196	7776_2.R1040	histone(HMM:1.2e-28)
11197	8806_1.R1040	histone(HMM:1.2e-43)
11198	5384_1.R1040	histone(HMM:1.2e-48)
11199	5384_4.R1040	histone(HMM:1.2e-48)
11200	5384_6.R1040	histone(HMM:1.2e-48)
11201	3239_3.R1040	histone(HMM:1.2e-50)
11202	3239_4.R1040	histone(HMM:1.2e-50)
11203	LIB3093-050-Q1-K1-G7	histone(HMM:1.3)
11204	LIB3106-049-Q1-K1-H12	histone(HMM:1.3)
11205	jsh701064730.h1	histone(HMM:1.3e-14)
11206	11868_2.R1040	histone(HMM:1.3e-31)
11207	LIB3073-018-Q1-K1-G7	histone(HMM:1.4e-10)
11208	5384_12.R1040	histone(HMM:1.4e-15)
11209	pcp700994709.h1	histone(HMM:1.5e-22)
11210	wrg700787362.h2	histone(HMM:1.6e-05)
11211	uC-gmropic007g05b1	histone(HMM:1.6e-07)
11212	11868_3.R1040	histone(HMM:1.6e-16)
11213	9139_2.R1040	histone(HMM:1.6e-46)
11214	1793_10.R1040	histone(HMM:1.7e-06)
11215	LIB3139-105-P1-N1-E2	histone(HMM:1.7e-07)
11216	jC-gmro02910067f08d1	histone(HMM:1.7e-07)
11217	9050_4.R1040	histone(HMM:1.7e-09)
11218	LIB3051-015-Q1-E1-H7	histone(HMM:1.7e-09)
11219	kll701212261.h1	histone(HMM:1.7e-09)
11220	LIB3028-015-Q1-B1-D2	histone(HMM:1.7e-10)
11221	gsv701050604.h1	histone(HMM:1.7e-11)
11222	txt700732039.h1	histone(HMM:1.7e-11)
11223	kll701213472.h1	histone(HMM:1.7e-17)
11224	LIB3051-041-Q1-K1-D12	histone(HMM:1.8e-06)
11225	3239_5.R1040	histone(HMM:1.8e-49)
11226	4964_2.R1040	histone(HMM:1.9e-05)
11227	1793_12.R1040	histone(HMM:1.9e-18)
11228	1793_15.R1040	histone(HMM:1.9e-18)
11229	1793_16.R1040	histone(HMM:1.9e-18)
11230	1793_5.R1040	histone(HMM:1.9e-18)
11231	1793_8.R1040	histone(HMM:1.9e-18)
11232	2548_2.R1040	histone(HMM:1.9e-18)
11233	2548_3.R1040	histone(HMM:1.9e-18)
11234	2548_4.R1040	histone(HMM:1.9e-18)
11235	2548_5.R1040	histone(HMM:1.9e-18)
11236	2548_6.R1040	histone(HMM:1.9e-18)
11237	4848_1.R1040	histone(HMM:1.9e-18)
11238	4921_1.R1040	histone(HMM:1.9e-18)
11239	8645_1.R1040	histone(HMM:1.9e-18)
11240	uC-gmflminsoy022h10b1	histone(HMM:1.9e-18)
11241	1313_5.R1040	histone(HMM:1e-26)
11242	1612_1.R1040	histone(HMM:1e-49)
11243	8958_2.R1040	histone(HMM:1e-49)
11244	LIB3170-009-Q1-J1-D10	histone(HMM:2.1e-12)
11245	9050_1.R1040	histone(HMM:2.2e-50)

11246	9050_2.R1040	histone(HMM:2.2e-50)
11247	9050_3.R1040	histone(HMM:2.2e-50)
11248	rlr700899371.h1	histone(HMM:2.4e-06)
11249	6716_1.R1040	histone(HMM:2.4e-46)
11250	6716_2.R1040	histone(HMM:2.4e-46)
11251	vwf700677817.h1	histone(HMM:2.5)
11252	58724_1.R1040	histone(HMM:2.5e-43)
11253	18710_1.R1040	histone(HMM:2.5e-46)
11254	11755_1.R1040	histone(HMM:2.6e-50)
11255	gsv701051953.h1	histone(HMM:2.7e-13)
11256	LIB3028-007-Q1-B1-A9	histone(HMM:2.7e-17)
11257	1793_27.R1040	histone(HMM:2.8e-05)
11258	5384_8.R1040	histone(HMM:2.8e-44)
11259	epx701108441.h1	histone(HMM:2.9)
11260	2548_8.R1040	histone(HMM:2.9e-17)
11261	LIB3106-102-Q1-K1-E11	histone(HMM:2e-18)
11262	LIB3106-075-Q1-K1-B12	histone(HMM:3.1e-05)
11263	vzy700754394.h1	histone(HMM:3.1e-05)
11264	leu701157093.h1	histone(HMM:3.1e-07)
11265	1793_22.R1040	histone(HMM:3.1e-11)
11266	wrg700790495.h2	histone(HMM:3.1e-13)
11267	wvk700680989.h1	histone(HMM:3.1e-14)
11268	LIB3040-033-Q1-E1-F4	histone(HMM:3.1e-15)
11269	5384_5.R1040	histone(HMM:3.1e-48)
11270	LIB3167-017-P1-K1-F4	histone(HMM:3.2e-08)
11271	hrw701060684.h1	histone(HMM:3.2e-09)
11272	8806_2.R1040	histone(HMM:3.2e-26)
11273	132993_1.R1040	histone(HMM:3.2e-44)
11274	1530_1.R1040	histone(HMM:3.3e-44)
11275	epx701107296.h1	histone(HMM:3.5e-13)
11276	LIB3170-002-Q1-J1-G8	histone(HMM:3.6e-08)
11277	zhf700960431.h1	histone(HMM:3.6e-09)
11278	LIB3049-050-Q1-E1-F5	histone(HMM:3.7e-12)
11279	LIB3138-081-P1-N1-B7	histone(HMM:3.8e-19)
11280	rca700997386.h1	histone(HMM:3.9e-09)
11281	LIB3040-035-Q1-E1-G9	histone(HMM:4.1e-07)
11282	sat701009174.h1	histone(HMM:4.2e-15)
11283	hyd700729859.h1	histone(HMM:4.4e-15)
11284	1830_2.R1040	histone(HMM:4.5e-09)
11285	ncj700977983.h1	histone(HMM:4.6e-08)
11286	rlr700898354.h1	histone(HMM:4.8)
11287	LIB3170-016-Q1-K1-C5	histone(HMM:4.9e-08)
11288	LIB3049-005-Q1-E1-E10	histone(HMM:4e-19)
11289	1830_1.R1040	histone(HMM:4e-44)
11290	21297_1.R1040	histone(HMM:5.2e-42)
11291	LIB3073-002-Q1-K1-G3	histone(HMM:5e-09)
11292	LIB3170-022-Q1-K1-C9	histone(HMM:5e-10)
11293	vzy700756334.h1	histone(HMM:6.1e-23)
11294	LIB3106-074-Q1-K1-C2	histone(HMM:6.2e-26)
11295	11868_1.R1040	histone(HMM:6.3e-44)
11296	5384_2.R1040	histone(HMM:6.4e-49)
11297	5384_7.R1040	histone(HMM:6.4e-49)
11298	1313_3.R1040	histone(HMM:6.5e-23)
11299	8958_1.R1040	histone(HMM:6.5e-50)

11300	2548_7.R1040	histone(HMM:6.8e-18)
11301	5384_11.R1040	histone(HMM:6e-25)
11302	LIB3170-017-Q1-K1-H8	histone(HMM:7.2e-13)
11303	6716_3.R1040	histone(HMM:7.4e-05)
11304	LIB3106-096-Q1-K1-A12	histone(HMM:7.4e-20)
11305	uC-gmronoir012b07b1	histone(HMM:7.5e-47)
11306	LIB3049-001-Q1-E1-C6	histone(HMM:7.6)
11307	12750_1.R1040	histone(HMM:7.6e-17)
11308	LIB3039-034-Q1-E1-H5	histone(HMM:7.7e-05)
11309	LIB3040-010-Q1-E1-B10	histone(HMM:7.7e-05)
11310	5384_3.R1040	histone(HMM:7.8e-48)
11311	8158_1.R1040	histone(HMM:7.9e-47)
11312	4964_1.R1040	histone(HMM:8.2e-47)
11313	7776_1.R1040	histone(HMM:8.2e-47)
11314	8093_1.R1040	histone(HMM:8.2e-47)
11315	9139_1.R1040	histone(HMM:8.2e-47)
11316	jsh701067133.h1	histone(HMM:8.4e-14)
11317	hyd700726644.h1	histone(HMM:8.9e-10)
11318	LIB3107-078-Q1-K1-F5	histone(HMM:9.2e-05)
11319	323923_1.R1040	histone(HMM:9.2e-14)
11320	5384_10.R1040	histone(HMM:9.4e-18)
11321	wrg700786094.h2	histone(HMM:9.6e-05)
11322	LIB3170-033-Q1-K1-F2	histone(HMM:9.9e-05)
11323	taw700657519.h1	hlh(HMM:0.0001)
11324	21857_1.R1040	hlh(HMM:0.00022)
11325	rlr700898156.h1	hlh(HMM:0.00023)
11326	12255_3.R1040	hlh(HMM:0.00035)
11327	gsv701056674.h1	hlh(HMM:0.0011)
11328	LIB3029-011-Q1-B1-G3	hlh(HMM:0.0014)
11329	148437_1.R1040	hlh(HMM:0.0015)
11330	g5666744	hlh(HMM:0.0036)
11331	110458_1.R1040	hlh(HMM:0.0059)
11332	2379_1.R1040	hlh(HMM:0.0073)
11333	ncj700981519.h1	hlh(HMM:0.02)
11334	fC-gmle700555621f3	hlh(HMM:0.027)
11335	uC-gmropic025b06b1	hlh(HMM:0.03)
11336	232062_1.R1040	hlh(HMM:0.043)
11337	179143_1.R1040	hlh(HMM:0.046)
11338	LIB3087-005-Q1-K1-E9	hlh(HMM:0.054)
11339	80988_1.R1040	hlh(HMM:0.066)
11340	116902_1.R1040	hlh(HMM:0.071)
11341	2379_2.R1040	hlh(HMM:0.095)
11342	112331_1.R1040	hlh(HMM:0.11)
11343	75406_1.R1040	hlh(HMM:0.17)
11344	116902_2.R1040	hlh(HMM:0.35)
11345	68494_1.R1040	hlh(HMM:1.2e-08)
11346	jsh701065109.h1	hlh(HMM:1.3e-09)
11347	680_1.R1040	hlh(HMM:1.3e-14)
11348	150715_1.R1040	hlh(HMM:1.5e-10)
11349	119719_1.R1040	hlh(HMM:1.7e-15)
11350	118083_1.R1040	hlh(HMM:1.8e-08)
11351	4335_1.R1040	hlh(HMM:1.8e-10)
11352	21084_1.R1040	hlh(HMM:1.9e-13)
11353	5755_1.R1040	hlh(HMM:2.2)

138767_1.R1040
249237_1.R1040
g5058300
114950_1.R1040
9818_1.R1040
66406_1.R1040
19262_1.R1040
149817_1.R1040
77385_1.R1040
16111_1.R1040
82903_1.R1040
2169_1.R1040
2169_3.R1040
jC-gmfl02220102f12a1
19262_2.R1040
12143_1.R1040
29402_1.R1040
50777_1.R1040
59673_1.R1040
57030_1.R1040
48067_1.R1040
87706_1.R1040
238638_1.R1040
LIB3106-032-Q1-K1-B6
jC-gmfl02220081h06a1
12255_2.R1040
30853_1.R1040
46911_2.R1040
172245_1.R1040
1135_1.R1040
46923_1.R1040
41959_1.R1040
189248_1.R1040
227452_1.R1040
49549_1.R1040
33047_1.R1040
3777_1.R1040
gsv701046730.h1
LIB3039-005-Q1-E1-C6
LIB3170-085-Q1-K1-E4
LIB3092-004-Q1-K1-B5
pxt700943934.h1
380_4.R1040
LIB3049-042-Q1-E1-D6
fde700873131.h1
LIB3040-049-Q1-E1-C1
LIB3040-034-Q1-E1-A2
LIB3049-007-Q1-E1-D4
ssr700559324.h1
36191_1.R1040
kl1701210145.h1
380_1.R1040
fua701040918.h1
4101_1.R1040

hlh(HMM:2.2e-10)
hlh(HMM:2.5e-09)
hlh(HMM:2.5e-09)
hlh(HMM:2.5e-12)
hlh(HMM:2.6e-05)
hlh(HMM:2.6e-09)
hlh(HMM:2.8e-13)
hlh(HMM:3.8e-06)
hlh(HMM:3.8e-10)
hlh(HMM:3.9e-08)
hlh(HMM:4.1e-09)
hlh(HMM:4.2e-12)
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hlh(HMM:4.2e-12)
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hlh(HMM:4.3e-10)
hlh(HMM:4.5e-09)
hlh(HMM:4.5e-14)
hlh(HMM:4.7e-07)
hlh(HMM:4.8e-15)
hlh(HMM:4e-09)
hlh(HMM:4e-10)
hlh(HMM:4e-13)
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hlh(HMM:6.4e-07)
hlh(HMM:6.6e-05)
hlh(HMM:7.8e-11)
hlh(HMM:8.4e-07)
hlh(HMM:8.5e-11)
hlh(HMM:9.6e-06)
hlh(HMM:9.7e-05)
hlh(HMM:9e-05)
hlh(HMM:9e-08)
hlh_e2f(0.0009)
hlh_e2f(8.2e-11)
hlh_e2f(8.3e-13)
hlh_e2f(8.7e-13)
hmg_box(HMM:0.00011)
hmg_box(HMM:0.00033)
hmg_box(HMM:0.001)
hmg_box(HMM:0.0041)
hmg_box(HMM:0.013)
hmg_box(HMM:0.034)
hmg_box(HMM:0.072)
hmg_box(HMM:0.27)
hmg_box(HMM:0.39)
hmg_box(HMM:0.61)
hmg_box(HMM:0.94)
hmg_box(HMM:1.2e-34)
hmg_box(HMM:1.3e-20)
hmg_box(HMM:1.4e-05)
hmg_box(HMM:1.4e-29)
hmg_box(HMM:1.8e-08)
hmg_box(HMM:2.2e-26)

11445	46255_4.R1040	box_knox3(3.7e-12)"
11446	jC-gmro02910047g01a1	"homeobox(HMM:0.044),homeo
11447	129751_1.R1040	box_knox3(1.4e-10)"
		homeobox(HMM:0.092)
11448	7598_4.R1040	"homeobox(HMM:0.12),homeob
		ox_knox3(3.5e-09)"
11449	jC-gmro02800034b10a1	"homeobox(HMM:0.2),homeobo
		x_knox3(5.7e-19)"
11450	138756_1.R1040	"homeobox(HMM:0.24),homeob
11451	47849_1.R1040	ox_knox3(9.6e-19)"
11452	237426_1.R1040	homeobox(HMM:1)
11453	13906_1.R1040	homeobox(HMM:1.1e-20)
11454	185679_1.R1040	homeobox(HMM:1.2)
11455	263611_1.R1040	homeobox(HMM:1.2e-18)
11456	354264_1.R1040	homeobox(HMM:1.2e-18)
11457	7481_1.R1040	homeobox(HMM:1.3e-12)
11458	jC-gmle01810073f02d1	homeobox(HMM:1.4e-15)
		homeobox(HMM:1.5e-19)
11459	75839_1.R1040	"homeobox(HMM:1.7e-
		06),homeobox_knox3(1.4e-34)"
11460	47852_1.R1040	"homeobox(HMM:1.9),homeobo
		x_knox3(4.2e-09)"
11461	2297_1.R1040	"homeobox(HMM:1.9e-
11462	LIB3093-015-Q1-K1-A9	08),phd(HMM:2.7e-12)"
11463	LIB3138-021-Q1-N1-B8	homeobox(HMM:1e-19)
11464	101833_1.R1040	homeobox(HMM:1e-19)
11465	733_21.R1040	homeobox(HMM:1e-19)
11466	126778_1.R1040	homeobox(HMM:2.1)
11467	120026_1.R1040	homeobox(HMM:2.1e-17)
11468	LIB3139-040-P1-N1-D1	homeobox(HMM:2.3e-15)
11469	27738_1.R1040	homeobox(HMM:2.4e-05)
11470	2873_1.R1040	homeobox(HMM:2.4e-19)
11471	LIB3138-093-Q1-N1-H6	homeobox(HMM:2.9e-15)
11472	84555_1.R1040	homeobox(HMM:3.2e-19)
		homeobox(HMM:3.2e-19)
11473	LIB3051-078-Q1-K1-G11	"homeobox(HMM:3.4e-
11474	464_1.R1040	05),homeobox_knox3(7.6e-32)"
11475	6029_2.R1040	homeobox(HMM:3.5e-16)
11476	49928_1.R1040	homeobox(HMM:3.6e-17)
11477	10491_1.R1040	homeobox(HMM:3.7e-10)
11478	464_2.R1040	homeobox(HMM:3.7e-15)
11479	jC-gmst02400054h07a1	homeobox(HMM:3.9e-18)
11480	asn701136723.h1	homeobox(HMM:4.2e-12)
11481	2297_2.R1040	homeobox(HMM:4.7e-16)
11482	81815_1.R1040	homeobox(HMM:4.9e-19)
11483	jC-gmro02910022c12d1	homeobox(HMM:5.6e-19)
11484	78625_1.R1040	homeobox(HMM:6.7)
11485	23796_1.R1040	homeobox(HMM:6.8e-16)
11486	kll701205621.h1	homeobox(HMM:6.9e-20)
11487	zhf700957441.h1	homeobox(HMM:9.2e-18)
11488	19335_2.R1040	homeobox(HMM:9.6e-06)
11489	384_3.R1040	homeobox_knox3(5.7e-09)
		homeobox_knox3(8.7e-10)
		hsf_dna-bind(HMM:0.0028)

11490	78395_1.R1040	hsf_dna-bind(HMM:0.034)
11491	209926_1.R1040	hsf_dna-bind(HMM:0.65)
11492	70195_1.R1040	hsf_dna-bind(HMM:1.1e-52)
11493	122_4.R1040	hsf_dna-bind(HMM:1.1e-60)
11494	13936_1.R1040	hsf_dna-bind(HMM:1.2e-12)
11495	387_2.R1040	hsf_dna-bind(HMM:1.2e-48)
11496	383_1.R1040	hsf_dna-bind(HMM:1.2e-83)
11497	76611_1.R1040	hsf_dna-bind(HMM:1.3e-07)
11498	384_1.R1040	hsf_dna-bind(HMM:1.3e-57)
11499	6560_1.R1040	hsf_dna-bind(HMM:1.4e-41)
11500	65098_1.R1040	hsf_dna-bind(HMM:1.5e-53)
11501	122_2.R1040	hsf_dna-bind(HMM:1.5e-58)
11502	jC-gmro02910062b09a1	hsf_dna-bind(HMM:1.6e-06)
11503	70195_2.R1040	hsf_dna-bind(HMM:1.7e-08)
11504	44666_2.R1040	hsf_dna-bind(HMM:2.1e-09)
11505	122_6.R1040	hsf_dna-bind(HMM:2.2)
11506	387_3.R1040	hsf_dna-bind(HMM:2.3)
11507	385_1.R1040	hsf_dna-bind(HMM:2.4e-61)
11508	181_1.R1040	hsf_dna-bind(HMM:2.5e-05)
11509	385_2.R1040	hsf_dna-bind(HMM:2.9e-23)
11510	50067_1.R1040	hsf_dna-bind(HMM:2.9e-57)
11511	387_1.R1040	hsf_dna-bind(HMM:2.9e-66)
11512	6290_1.R1040	hsf_dna-bind(HMM:2e-28)
11513	384_2.R1040	hsf_dna-bind(HMM:3.2e-46)
11514	LIB3028-031-Q1-B1-F2	hsf_dna-bind(HMM:3.4e-21)
11515	LIB3138-126-Q1-N1-A1	hsf_dna-bind(HMM:3.5e-53)
11516	230085_1.R1040	hsf_dna-bind(HMM:3e-12)
11517	13936_2.R1040	hsf_dna-bind(HMM:4.2e-57)
11518	jC-gmro02910071a08a1	hsf_dna-bind(HMM:4.4e-07)
11519	hrw701060607.h1	hsf_dna-bind(HMM:4.5)
11520	LIB3139-119-P1-N1-A12	hsf_dna-bind(HMM:4.5e-09)
11521	jC-gmro02910072h09a1	hsf_dna-bind(HMM:4.7e-07)
11522	LIB3065-001-Q1-N1-A6	hsf_dna-bind(HMM:4.8)
11523	35655_1.R1040	hsf_dna-bind(HMM:5.1e-65)
11524	fde700872947.h1	hsf_dna-bind(HMM:5.4e-08)
11525	122311_1.R1040	hsf_dna-bind(HMM:5.7e-51)
11526	102601_1.R1040	hsf_dna-bind(HMM:5.8e-83)
11527	46527_1.R1040	hsf_dna-bind(HMM:7e-93)
11528	fC-gmse700669003k1	hsf_dna-bind(HMM:8.1e-09)
11529	25839_1.R1040	hsf_dna-bind(HMM:8.5e-64)
11530	44666_1.R1040	hsf_dna-bind(HMM:8.6e-66)
11531	uC-gmrominsoy141a08b1	iaa(HMM:0.00014)
11532	147803_1.R1040	iaa(HMM:0.00016)
11533	g4292511	iaa(HMM:0.00022)
11534	fua701037510.h1	iaa(HMM:0.00078)
11535	LIB3106-020-Q1-K1-C10	iaa(HMM:0.00079)
11536	294291_1.R1040	iaa(HMM:0.0009)
11537	212057_1.R1040	iaa(HMM:0.0015)
11538	75638_1.R1040	iaa(HMM:0.0032)
11539	uC-gmrominsoy172d07b1	iaa(HMM:0.011)
11540	165120_1.R1040	iaa(HMM:0.012)
11541	20391_1.R1040	iaa(HMM:0.018)
11542	asn701137240.h1	iaa(HMM:0.045)
11543	jC-gmfl02220104d07d1	iaa(HMM:0.066)

11544	jC-gmle01810061b03a1	iaa(HMM:0.07)
11545	29338_1.R1040	iaa(HMM:0.75)
11546	86291_1.R1040	iaa(HMM:0.84)
11547	522_2.R1040	iaa(HMM:1.1e-09)
11548	seb700652780.h1	iaa(HMM:1.1e-17)
11549	108315_1.R1040	iaa(HMM:1.3e-44)
11550	523_2.R1040	iaa(HMM:1.3e-45)
11551	LIB3028-029-Q1-B1-H9	iaa(HMM:1.5e-14)
11552	ary700764411.h1	iaa(HMM:1.6e-12)
11553	32706_2.R1040	iaa(HMM:1.7)
11554	klh701207169.h1	iaa(HMM:1.8)
11555	522_1.R1040	iaa(HMM:1.9e-56)
11556	31282_1.R1040	iaa(HMM:1e-35)
11557	19644_2.R1040	iaa(HMM:1e-49)
11558	333749_1.R1040	iaa(HMM:2.1e-33)
11559	2704_1.R1040	iaa(HMM:2.3e-35)
11560	108840_1.R1040	iaa(HMM:2.3e-56)
11561	2769_2.R1040	iaa(HMM:2.3e-64)
11562	LIB3109-035-Q1-K2-E6	iaa(HMM:2.4e-09)
11563	2131_1.R1040	iaa(HMM:2.4e-67)
11564	32706_1.R1040	iaa(HMM:2.5e-06)
11565	169896_1.R1040	iaa(HMM:2.5e-08)
11566	12357_1.R1040	iaa(HMM:2.5e-49)
11567	2131_3.R1040	iaa(HMM:2.6e-65)
11568	117021_1.R1040	iaa(HMM:2.8e-20)
11569	LIB3087-002-Q1-K1-D9	iaa(HMM:2.9e-28)
11570	109467_1.R1040	iaa(HMM:2.9e-29)
11571	523_1.R1040	iaa(HMM:2.9e-68)
11572	jex700908337.h1	iaa(HMM:2e-05)
11573	4055_2.R1040	iaa(HMM:2e-06)
11574	LIB3092-021-Q1-K1-A11	iaa(HMM:2e-08)
11575	23694_1.R1040	iaa(HMM:3.3e-34)
11576	636_2.R1040	iaa(HMM:3.3e-56)
11577	pmv700891856.h1	iaa(HMM:3.5e-07)
11578	2131_2.R1040	iaa(HMM:3.5e-62)
11579	15272_1.R1040	iaa(HMM:3.6e-61)
11580	788_2.R1040	iaa(HMM:3.7e-57)
11581	jC-gmfl02220097f03a1	iaa(HMM:4.2e-11)
11582	uaw700665388.h1	iaa(HMM:4.5e-20)
11583	hrw701060413.h1	iaa(HMM:4.7e-07)
11584	162054_1.R1040	iaa(HMM:4.7e-22)
11585	788_1.R1040	iaa(HMM:4.7e-48)
11586	14925_1.R1040	iaa(HMM:4e-32)
11587	303157_1.R1040	iaa(HMM:5.2e-18)
11588	636_1.R1040	iaa(HMM:5.5e-67)
11589	65621_2.R1040	iaa(HMM:5.7e-06)
11590	uC-gmronoir013c01b1	iaa(HMM:6.3e-20)
11591	6HA-01-Q1-E1-B3	iaa(HMM:6.4)
11592	zhf700959213.h1	iaa(HMM:6.8e-08)
11593	uC-gmrominsoy141d12b1	iaa(HMM:7.5)
11594	2769_1.R1040	iaa(HMM:7.8e-25)
11595	pmv700888893.h1	iaa(HMM:8.1)
11596	636_3.R1040	iaa(HMM:8.6e-66)
11597	20122_1.R1040	iaa(HMM:8.8e-12)

11634	hrw701059890.h1	k-box(HMM:6.1e-10)
11635	139861_1.R1040	k-box(HMM:6.8)
11636	1575_2.R1040	"k-box(HMM:7e-36),srf- tf(HMM:6.5e-24)"
11637	ncj700979602.h2	k-box(HMM:8.2e-05)
11638	LIB3072-059-Q1-K1-E6	k-box(HMM:8.6e-20)
11639	zhf700963673.h1	k-box(HMM:8e-10)
11640	jex700904960.h1	k-box(HMM:8e-19)
11641	gsv701044843.h1	keyword:14-3-3(1.0e-19)
11642	90958_1.R1040	keyword:14-3-3(2.0e-34)
11643	vzy700755180.h1	keyword:14-3-3(3.0e-20)
11644	LIB3093-015-Q1-K2-G5	keyword:14-3-3(4.0e-41)
11645	LIB3092-029-Q1-K1-E5	keyword:14-3-3(5.0e-10)
11646	jex700908747.h1	keyword:14-3-3(5.0e-12)
11647	seb700654213.h1	keyword:14-3-3(8.0e-17)
11648	390940_1.R1040	keyword:14-3-3(9.0e-37)
11649	41864_1.R1040	keyword:AGL(1.0e-35)
11650	151863_1.R1040	keyword:AGL(1.0e-69)
11651	kll701203692.h2	keyword:AGL(2.0e-17)
11652	wvk700683783.h1	keyword:AGL(2.0e-43)
11653	jC-gmle01810013f09d1	keyword:AGL(3.0e-26)
11654	zzp700829978.h1	keyword:AGL(4.0e-19)
11655	awf700840875.h1	keyword:AGL(4.0e-30)
11656	LIB3094-009-Q1-K1-A1	keyword:AGL(5.0e-18)
11657	vzy700751095.h1	keyword:AGL(6.0e-24)
11658	325_1.R1040	keyword:ap2(0.0e+00)
11659	325_3.R1040	keyword:ap2(0.0e+00)
11660	uC-gmropic006b12b1	keyword:ap2(1.0e-61)
11661	35455_1.R1040	keyword:ap2(2.0e-22)
11662	vzy700752462.h1	keyword:ap2(2.0e-25)
11663	jC-gmle01810087c12a1	keyword:ap2(2.0e-40)
11664	1489_3.R1040	keyword:ap2(3.0e-10)
11665	uC-gmropic029g06b1	keyword:ap2(4.0e-09)
11666	LIB3072-002-Q1-K1-E9	keyword:ap2(4.0e-11)
11667	uC-gmrominsoy127c11b1	keyword:ap2(4.0e-17)
11668	LIB3056-009-Q1-N1-H12	keyword:ap2(4.0e-50)
11669	354536_1.R1040	keyword:ap2(5.0e-12)
11670	23372_1.R1040	keyword:ap2(5.0e-25)
11671	301112_1.R1040	keyword:ap2(7.0e-18)
11672	hrw701057553.h1	keyword:ap2(8.0e-40)
11673	19599_1.R1040	keyword:AT-hook(1.0e-27)
11674	118149_1.R1040	keyword:AT-hook(1.0e-34)
11675	g4405544	keyword:AT-hook(7.0e-33)
11676	bth700843917.h1	"keyword:bzip(1.0e- 08),keyword:homeobox(1.0e- 08)"
11677	174937_1.R1040	keyword:bzip(1.0e-10)
11678	zzp700834555.h1	keyword:bzip(1.0e-10)
11679	83094_1.R1040	"keyword:bzip(1.0e- 115),keyword:homeobox(1.0e- 115)"
11680	22158_1.R1040	"keyword:bzip(1.0e- 118),keyword:homeobox(1.0e- 118)"

11681	LIB3107-058-Q1-K1-A5	keyword:bzip(1.0e-12)
11682	g5508980	keyword:bzip(1.0e-24)
11683	145700_1.R1040	keyword:bzip(1.0e-28)
11684	69433_1.R1040	keyword:bzip(1.0e-37)
11685	14863_1.R1040	"keyword:bzip(1.0e-53),keyword:homeobox(1.0e-53)"
11686	12356_1.R1040	"keyword:bzip(1.0e-62),keyword:homeobox(1.0e-62)"
11687	226967_1.R1040	"keyword:bzip(1.0e-97),keyword:homeobox(1.0e-97)"
11688	hyd700726285.h1	keyword:bzip(2.0e-13)
11689	339656_1.R1040	"keyword:bzip(2.0e-19),keyword:dna-binding(2.0e-19)"
11690	6080_2.R1040	"keyword:bzip(2.0e-21),keyword:dna-binding(2.0e-21)"
11691	zsg701120778.h1	"keyword:bzip(2.0e-22),keyword:dna-binding(2.0e-22)"
11692	trc700566764.h1	keyword:bzip(2.0e-23)
11693	354262_1.R1040	"keyword:bzip(2.0e-57),keyword:homeobox(2.0e-57)"
11694	62394_1.R1040	keyword:bzip(2.0e-93)
11695	6080_1.R1040	"keyword:bzip(3.0e-14),keyword:dna-binding(3.0e-14)"
11696	20351_1.R1040	keyword:bzip(3.0e-17)
11697	jC-gmro02910047a05a1	keyword:bzip(3.0e-20)
11698	ncj700979737.h2	keyword:bzip(3.0e-20)
11699	45251_1.R1040	"keyword:bzip(3.0e-21),keyword:dna-binding(3.0e-21)"
11700	149_2.R1040	"keyword:bzip(3.0e-32),keyword:dna-binding(3.0e-32)"
11701	136271_1.R1040	keyword:bzip(3.0e-75)
11702	wrg700788846.h2	"keyword:bzip(4.0e-18),keyword:homeobox(4.0e-18)"
11703	22195_1.R1040	"keyword:bzip(4.0e-86),keyword:homeobox(4.0e-86)"
11704	zhf700959859.h1	keyword:bzip(5.0e-28)
11705	48052_1.R1040	"keyword:bzip(5.0e-46),keyword:dna-binding(5.0e-46)"
11706	uC-gmropic088b08b1	"keyword:bzip(5.0e-46),keyword:homeobox(5.0e-46)"

11707	zpv700757904.h1	"keyword:bzip(6.0e-18),keyword:homeobox(6.0e-18)"
11708	31885_1.R1040	keyword:bzip(6.0e-23)
11709	132140_1.R1040	keyword:bzip(7.0e-27)
11710	rca701000394.h1	keyword:bzip(8.0e-21)
11711	wvk700682587.h2	"keyword:bzip(9.0e-15),keyword:homeobox(9.0e-15)"
11712	eep700868689.h1	keyword:bzip(9.0e-17)
11713	sat701009842.h1	"keyword:bzip(9.0e-18),keyword:homeobox(9.0e-18)"
11714	77505_2.R1040	keyword:CONSTANS(2.0e-30)
11715	jC-gmfl02220077h12d1	keyword:CONSTANS(3.0e-18)
11716	g5058154	keyword:CONSTANS(3.0e-24)
11717	77505_1.R1040	keyword:CONSTANS(9.0e-27)
11718	20622_1.R1040	keyword:dna-binding(0.0e+00)
11719	78483_1.R1040	keyword:dna-binding(1.0e-08)
11720	29357_1.R1040	keyword:dna-binding(1.0e-09)
11721	310_2.R1040	keyword:dna-binding(1.0e-13)
11722	fC-gmst700665086r3	keyword:dna-binding(1.0e-14)
11723	LIB3055-002-Q1-B1-C10	keyword:dna-binding(1.0e-16)
11724	122_1.R1040	keyword:dna-binding(1.0e-168)
11725	115105_1.R1040	keyword:dna-binding(1.0e-18)
11726	131135_1.R1040	keyword:dna-binding(1.0e-18)
11727	3217_9.R1040	keyword:dna-binding(1.0e-18)
11728	310_1.R1040	keyword:dna-binding(1.0e-21)
11729	LIB3170-067-Q1-K1-C1	keyword:dna-binding(1.0e-23)
11730	LIB3170-075-Q1-K1-G12	keyword:dna-binding(1.0e-24)
11731	LIB3051-036-Q1-K1-D11	keyword:dna-binding(1.0e-25)
11732	leu701154805.h1	keyword:dna-binding(1.0e-25)
11733	2358_2.R1040	keyword:dna-binding(1.0e-29)
11734	15300_1.R1040	keyword:dna-binding(1.0e-33)
11735	LIB3050-019-Q1-K1-A6	keyword:dna-binding(1.0e-38)
11736	LIB3138-099-Q1-N1-H10	keyword:dna-binding(1.0e-56)
11737	149462_1.R1040	keyword:dna-binding(1.0e-60)
11738	211442_1.R1040	keyword:dna-binding(1.0e-60)
11739	11532_1.R1040	keyword:dna-binding(1.0e-62)
11740	16355_1.R1040	keyword:dna-binding(1.0e-64)
11741	25670_1.R1040	keyword:dna-binding(1.0e-95)
11742	jC-gmle01810033b05a2	keyword:dna-binding(2.0e-09)
11743	jC-gmst02400066b11d1	keyword:dna-binding(2.0e-09)
11744	22522_1.R1040	keyword:dna-binding(2.0e-10)
11745	uC-gmronoir056a09b1	keyword:dna-binding(2.0e-10)
11746	173253_1.R1040	keyword:dna-binding(2.0e-12)
11747	pcp700994710.h1	keyword:dna-binding(2.0e-12)
11748	sat701015336.h1	keyword:dna-binding(2.0e-12)
11749	bth700849819.h1	keyword:dna-binding(2.0e-13)
11750	1500_1.R1040	keyword:dna-binding(2.0e-14)
11751	16355_6.R1040	keyword:dna-binding(2.0e-14)
11752	180248_1.R1040	keyword:dna-binding(2.0e-15)
11753	136748_1.R1040	keyword:dna-binding(2.0e-23)
11754	LIB3053-013-Q1-N1-D10	keyword:dna-binding(2.0e-33)

11755	230087_1.R1040	keyword:dna-binding(2.0e-37)
11756	23264_1.R1040	keyword:dna-binding(2.0e-40)
11757	32691_2.R1040	keyword:dna-binding(2.0e-41)
11758	jC-gmro02910066c07a1	keyword:dna-binding(2.0e-43)
11759	rca700998163.h1	keyword:dna-binding(2.0e-43)
11760	g5057884	keyword:dna-binding(2.0e-45)
11761	18260_1.R1040	keyword:dna-binding(2.0e-53)
11762	94769_1.R1040	keyword:dna-binding(2.0e-70)
11763	46901_1.R1040	keyword:dna-binding(2.0e-87)
11764	34677_1.R1040	keyword:dna-binding(2.0e-91)
11765	122_3.R1040	keyword:dna-binding(2.0e-98)
11766	wrg700787662.h2	keyword:dna-binding(3.0e-12)
11767	1411_2.R1040	keyword:dna-binding(3.0e-13)
11768	16355_4.R1040	keyword:dna-binding(3.0e-15)
11769	23286_1.R1040	keyword:dna-binding(3.0e-15)
11770	g4283918	keyword:dna-binding(3.0e-15)
11771	LIB3094-047-Q1-K1-F9	keyword:dna-binding(3.0e-18)
11772	29654_1.R1040	keyword:dna-binding(3.0e-21)
11773	LIB3093-035-Q1-K1-G6	keyword:dna-binding(3.0e-25)
11774	pxt700941062.h1	keyword:dna-binding(3.0e-28)
11775	LIB3074-030-Q1-K2-C5	keyword:dna-binding(3.0e-35)
11776	LIB3106-116-Q1-K1-F10	keyword:dna-binding(3.0e-40)
11777	zsg701123158.h1	keyword:dna-binding(4.0e-09)
11778	257521_1.R1040	keyword:dna-binding(4.0e-12)
11779	sat701009968.h2	keyword:dna-binding(4.0e-12)
11780	g5753326	keyword:dna-binding(4.0e-13)
11781	92872_1.R1040	keyword:dna-binding(4.0e-17)
11782	25538_5.R1040	keyword:dna-binding(4.0e-18)
11783	LIB3109-043-Q1-K1-E12	keyword:dna-binding(4.0e-24)
11784	16355_5.R1040	keyword:dna-binding(4.0e-42)
11785	g5753094	keyword:dna-binding(4.0e-67)
11786	fC-gmse700672271f1	keyword:dna-binding(5.0e-12)
11787	jC-gmst02400051c05a1	keyword:dna-binding(5.0e-13)
11788	177341_1.R1040	keyword:dna-binding(5.0e-14)
11789	ncj700987493.h1	keyword:dna-binding(5.0e-17)
11790	22522_3.R1040	keyword:dna-binding(5.0e-21)
11791	uC-gmflminsoy120d03b1	keyword:dna-binding(5.0e-23)
11792	zsg701123944.h1	keyword:dna-binding(6.0e-09)
11793	uC-gmrominsoy220a02b1	keyword:dna-binding(6.0e-14)
11794	jex700907574.h1	keyword:dna-binding(6.0e-20)
11795	7481_3.R1040	keyword:dna-binding(6.0e-24)
11796	43449_1.R1040	keyword:dna-binding(6.0e-40)
11797	jC-gmro02910024e06a1	keyword:dna-binding(6.0e-40)
11798	134798_1.R1040	keyword:dna-binding(6.0e-54)
11799	LIB3138-095-Q1-N1-A5	keyword:dna-binding(7.0e-17)
11800	wvk700685507.h1	keyword:dna-binding(7.0e-32)
11801	LIB3051-046-Q1-K1-C8	keyword:dna-binding(7.0e-40)
11802	11532_2.R1040	keyword:dna-binding(7.0e-41)
11803	2358_1.R1040	keyword:dna-binding(7.0e-57)
11804	2297_5.R1040	keyword:dna-binding(7.0e-61)
11805	136379_1.R1040	keyword:dna-binding(7.0e-68)
11806	66075_1.R1040	keyword:dna-binding(8.0e-16)
11807	28599_2.R1040	keyword:dna-binding(8.0e-31)
11808	268619_1.R1040	keyword:dna-binding(8.0e-43)

11809	16355_2.R1040	keyword:dna-binding(8.0e-51)
11810	g4291415	keyword:dna-binding(9.0e-11)
11811	gsv701054633.h1	keyword:dna-binding(9.0e-11)
11812	90535_1.R1040	keyword:dna-binding(9.0e-17)
11813	5510_1.R1040	keyword:dna-binding(9.0e-29)
11814	16355_3.R1040	keyword:dna-binding(9.0e-74)
11815	11762_2.R1040	keyword:DREB(4.0e-33)
11816	98365_1.R1040	keyword:enbp(2.0e-30)
11817	zhf700957918.h1	keyword:enbp(4.0e-09)
11818	LIB3093-024-Q1-K1-F2	keyword:enbp(4.0e-36)
11819	gsv701051187.h1	keyword:helix-loop-helix(4.0e-12)
11820	21305_1.R1040	keyword:helix-loop-helix(8.0e-36)
11821	340944_1.R1040	keyword:homeobox(0.0e+00)
11822	126536_1.R1040	keyword:homeobox(1.0e-100)
11823	55562_1.R1040	keyword:homeobox(1.0e-103)
11824	25825_1.R1040	keyword:homeobox(1.0e-110)
11825	23745_1.R1040	keyword:homeobox(1.0e-119)
11826	8013_2.R1040	keyword:homeobox(1.0e-12)
11827	LIB3094-027-Q1-K1-C10	"keyword:homeobox(1.0e-19),keyword:Leucine-zipper(1.0e-19)"
11828	sat701013183.h1	"keyword:homeobox(1.0e-21),keyword:homeodomain(1.0e-21),keyword:Leucine-zipper(1.0e-21)"
11829	asn701141080.h1	keyword:homeobox(1.0e-32)
11830	84730_1.R1040	keyword:homeobox(1.0e-41)
11831	70904_1.R1040	keyword:homeobox(1.0e-47)
11832	464_3.R1040	"keyword:homeobox(1.0e-57),keyword:Leucine-zipper(1.0e-57)"
11833	uC-gmrominsoy104g05b1	keyword:homeobox(2.0e-12)
11834	LIB3138-031-Q1-N1-F10	"keyword:homeobox(2.0e-13),keyword:Leucine-zipper(2.0e-13)"
11835	242864_1.R1040	"keyword:homeobox(2.0e-14),keyword:Leucine-zipper(2.0e-14)"
11836	pxt700945149.h1	keyword:homeobox(2.0e-15)
11837	leu701146987.h1	"keyword:homeobox(2.0e-21),keyword:Leucine-zipper(2.0e-21)"
11838	fua701038893.h1	keyword:homeobox(2.0e-23)
11839	uC-gmrominsoy065e09b1	keyword:homeobox(2.0e-24)
11840	zsg701128657.h1	keyword:homeobox(2.0e-24)
11841	104906_1.R1040	keyword:homeobox(2.0e-27)
11842	4355_3.R1040	keyword:homeobox(2.0e-31)
11843	4355_6.R1040	keyword:homeobox(2.0e-42)
11844	gsv701046638.h1	keyword:homeobox(3.0e-12)
11845	7481_2.R1040	"keyword:homeobox(3.0e-12),keyword:Leucine-zipper(3.0e-12)"

11846	LIB3094-087-Q1-K1-B1	"keyword:homeobox(3.0e-14),keyword:Leucine-zipper(3.0e-14)"
11847	gsv701044506.h1	keyword:homeobox(3.0e-15)
11848	LIB3094-047-Q1-K1-A9	"keyword:homeobox(3.0e-18),keyword:Leucine-zipper(3.0e-18)"
11849	7598_5.R1040	"keyword:homeobox(3.0e-21),keyword:homeodomain(3.0e-21)"
11850	LIB3051-103-Q1-K1-B11	keyword:homeobox(3.0e-22)
11851	LIB3093-053-Q1-K1-A3	keyword:homeobox(3.0e-22)
11852	kl1701211947.h1	keyword:homeobox(3.0e-26)
11853	uC-gmflminsoy044g01b1	keyword:homeobox(3.0e-32)
11854	102969_1.R1040	keyword:homeobox(3.0e-46)
11855	7598_2.R1040	"keyword:homeobox(3.0e-60),keyword:homeodomain(3.0e-60)"
11856	214566_1.R1040	keyword:homeobox(3.0e-61)
11857	27738_3.R1040	"keyword:homeobox(3.0e-63),keyword:Leucine-zipper(3.0e-63)"
11858	80317_1.R1040	keyword:homeobox(3.0e-74)
11859	134968_1.R1040	keyword:homeobox(3.0e-91)
11860	163514_1.R1040	keyword:homeobox(4.0e-24)
11861	LIB3094-093-Q1-K1-B12	"keyword:homeobox(4.0e-32),keyword:Leucine-zipper(4.0e-32)"
11862	LIB3138-093-Q1-N1-H5	keyword:homeobox(4.0e-33)
11863	7598_3.R1040	keyword:homeobox(4.0e-48)
11864	58204_1.R1040	keyword:homeobox(5.0e-11)
11865	31442_1.R1040	keyword:homeobox(5.0e-13)
11866	uxk700669731.h1	keyword:homeobox(5.0e-18)
11867	80765_1.R1040	"keyword:homeobox(5.0e-19),keyword:Leucine-zipper(5.0e-19)"
11868	zhf700959801.h1	keyword:homeobox(5.0e-26)
11869	jC-gmro02800034b04a1	keyword:homeobox(5.0e-30)
11870	245347_1.R1040	keyword:homeobox(5.0e-35)
11871	97554_1.R1040	"keyword:homeobox(6.0e-09),keyword:Leucine-zipper(6.0e-09)"
11872	LIB3094-056-Q1-K1-D3	keyword:homeobox(6.0e-14)
11873	138324_1.R1040	keyword:homeobox(6.0e-21)
11874	314518_1.R1040	keyword:homeobox(6.0e-34)
11875	pxt700943363.h1	keyword:homeobox(7.0e-09)
11876	160303_1.R1040	keyword:homeobox(7.0e-49)
11877	21457_1.R1040	keyword:homeobox(7.0e-68)
11878	8013_1.R1040	keyword:homeobox(7.0e-76)
11879	g5752776	keyword:homeobox(8.0e-11)
11880	LIB3094-091-Q1-K1-D7	"keyword:homeobox(8.0e-18),keyword:Leucine-zipper(8.0e-18)"
11881	zzp700833145.h1	keyword:homeobox(8.0e-26)

11882	4355_2.R1040	keyword:homeobox(8.0e-93)
11883	LIB3094-018-Q1-K1-D7	"keyword:homeobox(9.0e-13),keyword:Leucine-zipper(9.0e-13)"
11884	LIB3094-103-Q1-K1-C5	"keyword:homeobox(9.0e-29),keyword:Leucine-zipper(9.0e-29)"
11885	wrg700787288.h2	keyword:homeodomain(1.0e-11)
11886	7535_1.R1040	keyword:homeodomain(1.0e-110)
11887	25815_1.R1040	keyword:homeodomain(1.0e-133)
11888	27255_1.R1040	keyword:homeodomain(1.0e-146)
11889	27938_1.R1040	keyword:homeodomain(1.0e-18)
11890	16422_1.R1040	keyword:homeodomain(1.0e-27)
11891	wrg700791930.h1	keyword:homeodomain(1.0e-28)
11892	23494_1.R1040	keyword:homeodomain(2.0e-25)
11893	33315_1.R1040	keyword:homeodomain(2.0e-32)
11894	6769_1.R1040	keyword:homeodomain(2.0e-32)
11895	33315_2.R1040	keyword:homeodomain(2.0e-46)
11896	LIB3051-115-Q1-K1-G8	keyword:homeodomain(2.0e-57)
11897	xpa700792664.h1	keyword:homeodomain(3.0e-09)
11898	pmv700892909.h1	keyword:homeodomain(3.0e-19)
11899	33403_2.R1040	"keyword:homeodomain(3.0e-19),keyword:KNOX(3.0e-19)"
11900	trc700565743.h1	keyword:homeodomain(3.0e-25)
11901	7535_2.R1040	keyword:homeodomain(3.0e-70)
11902	jC-gmst02400050h08a1	keyword:homeodomain(4.0e-37)
11903	gsv701044439.h1	keyword:homeodomain(5.0e-29)
11904	60541_1.R1040	keyword:homeodomain(5.0e-41)
11905	60541_2.R1040	keyword:homeodomain(6.0e-10)
11906	63316_2.R1040	keyword:homeodomain(6.0e-11)
11907	pmv700894426.h1	keyword:homeodomain(6.0e-23)
11908	uC-gmflminsoy066e05b1	keyword:homeodomain(6.0e-25)
11909	7294_1.R1040	keyword:homeodomain(6.0e-27)
11910	leu701147041.h1	keyword:homeodomain(6.0e-31)
11911	zhf700962277.h1	keyword:homeodomain(7.0e-16)
11912	ncj700986825.h1	keyword:homeodomain(8.0e-16)
11913	326950_1.R1040	keyword:Leucine-zipper(1.0e-08)
11914	LIB3051-015-Q1-E1-A4	keyword:Leucine-zipper(3.0e-09)
11915	LIB3170-058-Q1-J1-E12	keyword:Leucine-zipper(3.0e-16)
11916	256908_1.R1040	keyword:mads(1.0e-19)
11917	zhf700958579.h1	keyword:mads(1.0e-26)
11918	kl1701214791.h1	keyword:mads(2.0e-23)
11919	epx701108585.h1	"keyword:mads(2.0e-26),keyword:AGL(2.0e-26)"
11920	zzp700835610.h1	"keyword:mads(3.0e-15),keyword:AGL(3.0e-15)"
11921	65320_1.R1040	keyword:mads(3.0e-50)
11922	92364_1.R1040	keyword:mads(5.0e-12)
11923	3000_1.R1040	keyword:mads(5.0e-25)
11924	LIB3093-027-Q1-K1-E5	keyword:mads(6.0e-09)
11925	3041_1.R1040	keyword:mads(6.0e-11)

11926	3041_2.R1040	keyword:mads(7.0e-20)
11927	340111_1.R1040	"keyword:mads(8.0e-11),keyword:AGL(8.0e-11)"
11928	hrw701057456.h1	keyword:myb(1.0e-11)
11929	zhf700957638.h1	keyword:myb(1.0e-27)
11930	179999_1.R1040	keyword:myb(1.0e-36)
11931	asn701132039.h1	keyword:myb(1.0e-36)
11932	jC-gmle01810075h06a1	keyword:myb(1.0e-40)
11933	190794_1.R1040	keyword:myb(1.0e-57)
11934	8129_3.R1040	keyword:myb(2.0e-10)
11935	LIB3053-003-Q1-N1-A7	keyword:myb(2.0e-12)
11936	LIB3109-010-Q1-K1-A10	keyword:myb(2.0e-12)
11937	sat701005339.h1	keyword:myb(2.0e-15)
11938	229303_1.R1040	keyword:myb(2.0e-17)
11939	rlr700896666.h1	keyword:myb(2.0e-30)
11940	wvk700686070.h1	keyword:myb(2.0e-30)
11941	jex700908343.h1	keyword:myb(3.0e-10)
11942	zsg701129659.h1	keyword:myb(3.0e-21)
11943	awf700838292.h1	keyword:myb(3.0e-29)
11944	LIB3039-030-Q1-E1-E3	keyword:myb(3.0e-33)
11945	kll701213070.h1	keyword:myb(4.0e-10)
11946	8331_1.R1040	keyword:myb(4.0e-30)
11947	LIB3028-001-Q1-B1-B2	keyword:myb(5.0e-15)
11948	4066_1.R1040	keyword:myb(5.0e-91)
11949	LIB3028-039-Q1-B2-G9	keyword:myb(6.0e-09)
11950	uC-gmropic013c02b1	keyword:myb(6.0e-22)
11951	gsv701052313.h1	keyword:myb(7.0e-22)
11952	LIB3138-041-Q1-N1-F5	keyword:myb(8.0e-17)
11953	1908_2.R1040	keyword:myb(8.0e-18)
11954	vwf700679204.h1	keyword:myb(9.0e-12)
11955	21521_1.R1040	keyword:Polycomb(1.0e-13)
11956	asn701143241.h1	keyword:Polycomb(1.0e-13)
11957	uC-gmrominsol11h04b1	keyword:Polycomb(1.0e-21)
11958	fC-gmse700675569i1	keyword:scarecrow(1.0e-28)
11959	1766_1.R1040	keyword:scarecrow(2.0e-15)
11960	17575_1.R1040	keyword:scarecrow(4.0e-28)
11961	jC-gmle01810059h05d1	keyword:scarecrow(5.0e-19)
11962	jC-gmfl02220070b02d1	keyword:scarecrow(6.0e-11)
11963	fC-gmfl700903880r2	keyword:scarecrow(6.0e-20)
11964	91114_1.R1040	keyword:scarecrow(6.0e-26)
11965	177114_1.R1040	keyword:scarecrow(6.0e-28)
11966	176231_1.R1040	keyword:scarecrow(8.0e-13)
11967	LIB3093-025-Q1-K1-F12	keyword:scarecrow(9.0e-14)
11968	1773_1.R1040	keyword:transcription(0.0e+00)
11969	LIB3049-032-Q1-E1-B10	keyword:transcription(1.0e-08)
11970	LIB3138-019-Q1-N1-D4	keyword:transcription(1.0e-08)
11971	144562_1.R1040	"keyword:transcription(1.0e-08),keyword:bzip(1.0e-08)"
11972	LIB3093-057-Q1-K1-H2	"keyword:transcription(1.0e-08),keyword:bzip(1.0e-08)"
11973	112625_1.R1040	keyword:transcription(1.0e-09)
11974	189019_1.R1040	keyword:transcription(1.0e-09)
11975	9626_3.R1040	keyword:transcription(1.0e-09)
11976	g4304957	keyword:transcription(1.0e-09)

11977	232574_1.R1040	"keyword:transcription(1.0e-09),keyword:bzip(1.0e-09)"
11978	jex700907607.h1	keyword:transcription(1.0e-11)
11979	LIB3170-066-Q1-J1-C7	"keyword:transcription(1.0e-11),keyword:Leucine-zipper(1.0e-11)"
11980	2627_1.R1040	keyword:transcription(1.0e-113)
11981	10062_1.R1040	keyword:transcription(1.0e-12)
11982	63926_2.R1040	"keyword:transcription(1.0e-12),keyword:myb(1.0e-12)"
11983	LIB3106-036-Q1-K1-F2	keyword:transcription(1.0e-15)
11984	116873_1.R1040	keyword:transcription(1.0e-157)
11985	319070_1.R1040	keyword:transcription(1.0e-16)
11986	86720_1.R1040	keyword:transcription(1.0e-16)
11987	LIB3094-002-Q1-K1-B6	keyword:transcription(1.0e-16)
11988	uC-gmrominsoy318d06b1	"keyword:transcription(1.0e-16),keyword:CBF1(1.0e-16)"
11989	kl1701212212.h1	"keyword:transcription(1.0e-17),keyword:mads(1.0e-17)"
11990	5732_1.R1040	keyword:transcription(1.0e-18)
11991	61594_1.R1040	keyword:transcription(1.0e-18)
11992	3189_1.R1040	"keyword:transcription(1.0e-18),keyword:bzip(1.0e-18)"
11993	1773_6.R1040	keyword:transcription(1.0e-21)
11994	341396_1.R1040	keyword:transcription(1.0e-21)
11995	13030_1.R1040	keyword:transcription(1.0e-23)
11996	9426_1.R1040	keyword:transcription(1.0e-25)
11997	jC-gmro02910070h11a1	keyword:transcription(1.0e-25)
11998	21476_2.R1040	"keyword:transcription(1.0e-28),keyword:myb(1.0e-28)"
11999	25494_1.R1040	keyword:transcription(1.0e-29)
12000	5591_1.R1040	keyword:transcription(1.0e-29)
12001	LIB3167-077-P1-K1-G10	"keyword:transcription(1.0e-31),keyword:myb(1.0e-31)"
12002	186656_1.R1040	keyword:transcription(1.0e-35)
12003	125699_1.R1040	keyword:transcription(1.0e-36)
12004	taw700657154.h1	keyword:transcription(1.0e-37)
12005	227769_1.R1040	keyword:transcription(1.0e-46)
12006	8630_1.R1040	keyword:transcription(1.0e-47)
12007	20950_1.R1040	keyword:transcription(1.0e-49)
12008	16230_1.R1040	keyword:transcription(1.0e-63)
12009	2588_1.R1040	keyword:transcription(1.0e-67)
12010	47422_1.R1040	keyword:transcription(1.0e-93)
12011	122996_1.R1040	keyword:transcription(2.0e-09)
12012	LIB3167-029-P1-K1-H8	keyword:transcription(2.0e-09)
12013	bth700847135.h1	keyword:transcription(2.0e-09)
12014	jex700909970.h1	keyword:transcription(2.0e-09)
12015	LIB3094-097-Q1-K1-D2	keyword:transcription(2.0e-10)
12016	LIB3167-004-P1-K1-D1	keyword:transcription(2.0e-10)
12017	g4292842	keyword:transcription(2.0e-10)
12018	g5676904	keyword:transcription(2.0e-10)
12019	159922_1.R1040	"keyword:transcription(2.0e-10),keyword:myb(2.0e-10)"
12020	21460_3.R1040	"keyword:transcription(2.0e-

12021	120977_1.R1040	10),keyword:myb(2.0e-10),keyword:dna-binding(2.0e-10)"
12022	22512_1.R1040	keyword:transcription(2.0e-11)
12023	617_5.R1040	keyword:transcription(2.0e-11)
12024	LIB3040-053-Q1-E1-D10	keyword:transcription(2.0e-11)
12025	taw700657806.h1	"keyword:transcription(2.0e-11),keyword:myb(2.0e-11)"
12026	LIB3094-002-Q1-K1-E6	keyword:transcription(2.0e-12)
12027	jex700907090.h1	keyword:transcription(2.0e-12)
12028	66954_1.R1040	keyword:transcription(2.0e-13)
12029	ncj700985576.h1	"keyword:transcription(2.0e-13),keyword:myb(2.0e-13)"
12030	12831_2.R1040	keyword:transcription(2.0e-14)
12031	zsg701129178.h1	keyword:transcription(2.0e-14)
12032	1773_3.R1040	keyword:transcription(2.0e-15)
12033	216144_1.R1040	keyword:transcription(2.0e-15)
12034	pxt700945078.h1	keyword:transcription(2.0e-15)
12035	jC-gmfl02220137e03a1	keyword:transcription(2.0e-16)
12036	uC-gmronoir024e09b1	keyword:transcription(2.0e-16)
12037	LIB3167-050-P1-K1-G3	keyword:transcription(2.0e-17)
12038	19582_2.R1040	keyword:transcription(2.0e-18)
12039	81226_1.R1040	keyword:transcription(2.0e-18)
12040	zhf700962293.h1	"keyword:transcription(2.0e-18),keyword:myb(2.0e-18)"
12041	g4396494	keyword:transcription(2.0e-19)
12042	58348_1.R1040	keyword:transcription(2.0e-20)
12043	59873_1.R1040	keyword:transcription(2.0e-20)
12044	80888_1.R1040	keyword:transcription(2.0e-20)
12045	196243_1.R1040	keyword:transcription(2.0e-22)
12046	LIB3109-031-Q1-K1-C4	"keyword:transcription(2.0e-22),keyword:mads(2.0e-22),keyword:AGL(2.0e-22)"
12047	117677_1.R1040	keyword:transcription(2.0e-24)
12048	161065_1.R1040	keyword:transcription(2.0e-24)
12049	3952_1.R1040	keyword:transcription(2.0e-24)
12050	jC-gmle01810054fl1a1	keyword:transcription(2.0e-24)
12051	15738_2.R1040	keyword:transcription(2.0e-25)
12052	20950_3.R1040	keyword:transcription(2.0e-25)
12053	LIB3107-060-Q1-K1-H11	keyword:transcription(2.0e-25)
12054	5623_1.R1040	keyword:transcription(2.0e-26)
12055	jC-gmro02910072g09d1	keyword:transcription(2.0e-27)
12056	fde700870726.h1	keyword:transcription(2.0e-28)
12057	zsg701128978.h1	keyword:transcription(2.0e-34)
12058	139560_1.R1040	keyword:transcription(2.0e-36)
12059	3226_2.R1040	keyword:transcription(2.0e-38)
12060	252139_1.R1040	"keyword:transcription(2.0e-40),keyword:myb(2.0e-40)"
12061	465_2.R1040	keyword:transcription(2.0e-42)
12062	LIB3051-038-Q1-K1-A5	keyword:transcription(2.0e-42)
12063	30041_1.R1040	keyword:transcription(2.0e-46)
12064	g4291113	keyword:transcription(2.0e-46)
12065	47422_2.R1040	keyword:transcription(2.0e-48)

12115	jC-gmfl02220103d08a1	keyword:transcription(4.0e-57)
12116	71352_1.R1040	keyword:transcription(5.0e-09)
12117	gsv701046215.h1	keyword:transcription(5.0e-09)
12118	326622_1.R1040	keyword:transcription(5.0e-12)
12119	seb700649555.h1	"keyword:transcription(5.0e-14),keyword:myb(5.0e-14)"
12120	13667_1.R1040	"keyword:transcription(5.0e-20),keyword:zinc-finger(5.0e-20)"
12121	93240_1.R1040	keyword:transcription(5.0e-22)
12122	181075_1.R1040	keyword:transcription(5.0e-24)
12123	asn701136703.h1	"keyword:transcription(5.0e-25),keyword:homeobox(5.0e-25)"
12124	taw700658629.h1	keyword:transcription(5.0e-27)
12125	jC-gmle01810085d12a1	keyword:transcription(5.0e-30)
12126	rca700997772.h1	"keyword:transcription(5.0e-30),keyword:myb(5.0e-30)"
12127	244118_1.R1040	keyword:transcription(5.0e-32)
12128	seb700652889.h1	keyword:transcription(5.0e-33)
12129	g5606335	keyword:transcription(5.0e-34)
12130	21482_1.R1040	keyword:transcription(5.0e-38)
12131	57556_1.R1040	keyword:transcription(5.0e-40)
12132	g5510295	keyword:transcription(5.0e-42)
12133	4184_2.R1040	keyword:transcription(5.0e-43)
12134	1773_7.R1040	keyword:transcription(5.0e-57)
12135	ncj700984075.h1	keyword:transcription(6.0e-10)
12136	ssr700559327.h1	keyword:transcription(6.0e-10)
12137	19145_1.R1040	keyword:transcription(6.0e-11)
12138	ASG3244V4L-01-Q1-E1-G1	keyword:transcription(6.0e-12)
12139	28610_1.R1040	keyword:transcription(6.0e-13)
12140	47883_1.R1040	keyword:transcription(6.0e-13)
12141	kll701207952.h1	keyword:transcription(6.0e-15)
12142	LIB3094-006-Q1-K1-E6	keyword:transcription(6.0e-17)
12143	LIB3051-101-Q1-K1-G3	"keyword:transcription(6.0e-20),keyword:myb(6.0e-20),keyword:dna-binding(6.0e-20)"
12144	97656_1.R1040	keyword:transcription(6.0e-21)
12145	jC-gmle01810053h07d1	keyword:transcription(6.0e-21)
12146	uC-gmrominsoy094f04b1	keyword:transcription(6.0e-21)
12147	146745_1.R1040	keyword:transcription(6.0e-33)
12148	132335_1.R1040	keyword:transcription(6.0e-35)
12149	79596_1.R1040	"keyword:transcription(6.0e-35),keyword:myb(6.0e-35)"
12150	15261_1.R1040	keyword:transcription(6.0e-38)
12151	136068_1.R1040	"keyword:transcription(6.0e-52),keyword:bzip(6.0e-52)"
12152	62447_1.R1040	"keyword:transcription(6.0e-56),keyword:dna-binding(6.0e-56)"
12153	360892_1.R1040	keyword:transcription(6.0e-78)
12154	143472_1.R1040	"keyword:transcription(7.0e-11),keyword:dna-binding(7.0e-11)"

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12311	LIB3109-009-Q1-K1-C3	keyword:zinc-finger(7.0e-25)
12312	358447_1.R1040	keyword:zinc-finger(7.0e-33)
12313	717_10.R1040	keyword:zinc-finger(7.0e-40)
12314	85342_1.R1040	keyword:zinc-finger(7.0e-51)
12315	83885_1.R1040	keyword:zinc-finger(8.0e-10)
12316	79035_1.R1040	keyword:zinc-finger(8.0e-12)
12317	g4397541	keyword:zinc-finger(8.0e-14)
12318	g5057615	keyword:zinc-finger(8.0e-14)
12319	LIB3139-017-P1-N1-E6	keyword:zinc-finger(8.0e-19)
12320	jC-gmfl02220101b08d1	keyword:zinc-finger(8.0e-20)
12321	17175_1.R1040	keyword:zinc-finger(8.0e-25)
12322	g5606120	keyword:zinc-finger(8.0e-37)
12323	uC-gmropic041a01b1	keyword:zinc-finger(9.0e-09)
12324	LIB3093-041-Q1-K1-H5	keyword:zinc-finger(9.0e-11)
12325	49446_2.R1040	keyword:zinc-finger(9.0e-13)
12326	93472_1.R1040	keyword:zinc-finger(9.0e-13)
12327	132179_1.R1040	keyword:zinc-finger(9.0e-15)
12328	7478_3.R1040	keyword:zinc-finger(9.0e-18)
12329	107197_1.R1040	keyword:zinc-finger(9.0e-22)
12330	33511_1.R1040	keyword:zinc-finger(9.0e-30)
12331	seb700653501.h1	keyword:zinc-finger(9.0e-39)
12332	19859_1.R1040	keyword:zinc-finger(9.0e-84)
12333	pxt700943986.h1	lim(HMM:0.0001)
12334	LIB3139-011-P1-N1-C4	lim(HMM:0.00019)
12335	80623_1.R1040	lim(HMM:0.00047)
12336	zhf700956625.h1	lim(HMM:0.00061)
12337	bnh700764577.h1	lim(HMM:0.0015)
12338	LIB3028-011-Q1-B1-G8	lim(HMM:0.0066)
12339	uC-gmropic090f10b1	lim(HMM:0.06)
12340	jsh701067440.h1	lim(HMM:0.13)
12341	1588_2.R1040	lim(HMM:1.1e-34)
12342	LIB3028-037-Q1-B1-G7	lim(HMM:1.2e-10)
12343	uC-gmropic043d06b1	lim(HMM:1.5e-13)
12344	1582_1.R1040	lim(HMM:1.7e-13)
12345	1970_1.R1040	lim(HMM:1.8e-12)
12346	4747_2.R1040	lim(HMM:2.2e-17)
12347	uC-gmropic020d02b1	lim(HMM:2.4e-07)
12348	68293_1.R1040	lim(HMM:2.8e-07)
12349	LIB3107-008-Q1-K1-D2	lim(HMM:3.1e-11)
12350	2457_1.R1040	lim(HMM:4.3e-14)
12351	191147_1.R1040	lim(HMM:6.2e-13)
12352	jsh701068964.h1	lim(HMM:6.3)
12353	1588_1.R1040	lim(HMM:7.4e-34)
12354	3_1.R1040	lim(HMM:7.5e-33)
12355	4747_1.R1040	lim(HMM:9.4e-18)
12356	19201_1.R1040	lim(HMM:9.8e-32)
12357	LIB3049-029-Q1-E1-G6	linker_histone(HMM:0.00018)
12358	jex700904284.h1	linker_histone(HMM:0.00018)
12359	3188_3.R1040	linker_histone(HMM:0.00076)
12360	kl1701206107.h1	linker_histone(HMM:0.016)
12361	LIB3053-011-Q1-N1-F5	linker_histone(HMM:1.2e-05)
12362	21518_1.R1040	linker_histone(HMM:1.2e-21)
12363	121945_1.R1040	linker_histone(HMM:1.2e-33)
12364	21656_2.R1040	"linker_histone(HMM:1.5e-

12365	3188_1.R1040	09),myb_dna-binding(HMM:0.34)"
12366	fC-gmse7000755389a1	linker_histone(HMM:1.7e-31)
12367	381_1.R1040	linker_histone(HMM:1.8e-21)
12368	12908_1.R1040	linker_histone(HMM:1.8e-24)
		"linker_histone(HMM:1e-08),myb_dna-binding(HMM:0.0015)"
12369	8792_1.R1040	linker_histone(HMM:2.5e-22)
12370	2930_1.R1040	linker_histone(HMM:2.6e-36)
12371	2930_2.R1040	linker_histone(HMM:3.9e-36)
12372	3188_2.R1040	linker_histone(HMM:6.2e-32)
12373	21518_2.R1040	linker_histone(HMM:6.5e-22)
12374	381_2.R1040	linker_histone(HMM:8.6e-24)
12375	7409_1.R1040	linker_histone(HMM:8.8e-28)
12376	7409_2.R1040	linker_histone(HMM:9.2e-28)
12377	82419_1.R1040	linker_histone(HMM:9.9e-22)
12378	114555_1.R1040	myb_dna-binding(HMM:0.00017)
12379	21478_1.R1040	myb_dna-binding(HMM:0.00017)
12380	93066_1.R1040	myb_dna-binding(HMM:0.00021)
12381	21656_1.R1040	myb_dna-binding(HMM:0.00044)
12382	LIB3139-090-P1-N1-C11	myb_dna-binding(HMM:0.00047)
12383	LIB3170-055-Q1-K1-F10	myb_dna-binding(HMM:0.00051)
12384	130249_1.R1040	myb_dna-binding(HMM:0.00053)
12385	jex700907612.h1	myb_dna-binding(HMM:0.00069)
12386	ncj700985623.h1	myb_dna-binding(HMM:0.00073)
12387	zhf700955159.h1	myb_dna-binding(HMM:0.00084)
12388	kmv700739430.h1	myb_dna-binding(HMM:0.001)
12389	seb700649584.h1	myb_dna-binding(HMM:0.0012)
12390	29933_1.R1040	myb_dna-binding(HMM:0.0021)
12391	zzp700831485.h1	myb_dna-binding(HMM:0.0025)
12392	80674_1.R1040	myb_dna-binding(HMM:0.003)
12393	g5263160_FL	myb_dna-binding(HMM:0.0033)
12394	zhf700955837.h1	myb_dna-binding(HMM:0.0038)
12395	LIB3053-014-Q1-N1-B5	myb_dna-binding(HMM:0.0039)
12396	3217_8.R1040	myb_dna-binding(HMM:0.004)
12397	124449_1.R1040	myb_dna-binding(HMM:0.0049)
12398	30544_1.R1040	myb_dna-binding(HMM:0.0052)
12399	4876_4.R1040	myb_dna-binding(HMM:0.0062)
12400	epx701104710.h1	myb_dna-binding(HMM:0.0069)
12401	19607_2.R1040	myb_dna-binding(HMM:0.009)
12402	bth700846492.h1	myb_dna-binding(HMM:0.0091)
12403	105904_1.R1040	myb_dna-binding(HMM:0.0093)
12404	244467_1.R1040	myb_dna-binding(HMM:0.0098)

13534_3.R1040
86871_1.R1040
LIB3028-053-Q1-B1-G10
4560_1.R1040
63926_1.R1040
kmv700738944.h1
rlr700896232.h1
284071_1.R1040
smc700750369.h1
zhf700952682.h1
awf700840104.h1
zzp700831735.h1
vwf700678561.h1
bth700846742.h1
4876_3.R1040
96749_1.R1040
LIB3139-094-P1-N1-H9
21478_2.R1040
180_1.R1040
1580_1.R1040
154770_1.R1040
20051_3.R1040
21478_3.R1040
357107_1.R1040
70949_1.R1040
uC-gmflminsoy044a10b1
seb700653418.h1
kl1701213550.h1
84019_1.R1040
176584_1.R1040
34995_1.R1040
uC-gmropic018d09b1
21460_1.R1040
uC-gmflminsoy117h06b1
kl1701214851.h1
zsg701122944.h1
gsv701052317.h1
777_1.R1040
2141_1.R1040
48087_1.R1040
uC-gmropic013e04b1
180_2.R1040
31738_1.R1040
awf700838727.h1
47105_3.R1040
g5606179
71223_1.R1040
sat701005343.h1
9862_1.R1040
LIB3170-049-Q1-K2-B6
19360_1.R1040
24366_2.R1040
jC-gmro02910002f03a1
16930_2.R1040

myb_dna-binding(HMM:0.013)
myb_dna-binding(HMM:0.019)
myb_dna-binding(HMM:0.031)
myb_dna-binding(HMM:0.077)
myb_dna-binding(HMM:0.079)
myb_dna-binding(HMM:0.089)
myb_dna-binding(HMM:0.12)
myb_dna-binding(HMM:0.13)
myb_dna-binding(HMM:0.13)
myb_dna-binding(HMM:0.19)
myb_dna-binding(HMM:0.3)
myb_dna-binding(HMM:0.6)
myb_dna-binding(HMM:0.71)
myb_dna-binding(HMM:0.87)
myb_dna-binding(HMM:0.97)
myb_dna-binding(HMM:1.1)
myb_dna-binding(HMM:1.1e-07)
myb_dna-binding(HMM:1.1e-33)
myb_dna-binding(HMM:1.1e-40)
myb_dna-binding(HMM:1.1e-43)
myb_dna-binding(HMM:1.2e-14)
myb_dna-binding(HMM:1.2e-17)
myb_dna-binding(HMM:1.2e-26)
myb_dna-binding(HMM:1.2e-37)
myb_dna-binding(HMM:1.2e-59)
myb_dna-binding(HMM:1.3e-09)
myb_dna-binding(HMM:1.3e-12)
myb_dna-binding(HMM:1.3e-20)
myb_dna-binding(HMM:1.4e-16)
myb_dna-binding(HMM:1.4e-20)
myb_dna-binding(HMM:1.4e-39)
myb_dna-binding(HMM:1.5)
myb_dna-binding(HMM:1.5e-10)
myb_dna-binding(HMM:1.5e-16)
myb_dna-binding(HMM:1.5e-17)
myb_dna-binding(HMM:1.5e-19)
myb_dna-binding(HMM:1.5e-21)
myb_dna-binding(HMM:1.5e-27)
myb_dna-binding(HMM:1.5e-43)
myb_dna-binding(HMM:1.6e-07)
myb_dna-binding(HMM:1.6e-12)
myb_dna-binding(HMM:1.7)
myb_dna-binding(HMM:1.7e-05)
myb_dna-binding(HMM:1.7e-07)
myb_dna-binding(HMM:1.7e-17)
myb_dna-binding(HMM:1.9)
myb_dna-binding(HMM:1.9e-05)
myb_dna-binding(HMM:1.9e-06)
myb_dna-binding(HMM:1.9e-25)
myb_dna-binding(HMM:1e-06)
myb_dna-binding(HMM:1e-40)
myb_dna-binding(HMM:1e-41)
myb_dna-binding(HMM:1e-41)
myb_dna-binding(HMM:2.1e-12)

12459	260476_1.R1040	myb_dna-binding(HMM:2.1e-19)
12460	19607_1.R1040	myb_dna-binding(HMM:2.1e-38)
12461	144489_1.R1040	myb_dna-binding(HMM:2.2e-10)
12462	rlr700896705.h1	myb_dna-binding(HMM:2.2e-20)
12463	245623_1.R1040	myb_dna-binding(HMM:2.2e-23)
12464	47105_2.R1040	myb_dna-binding(HMM:2.2e-35)
12465	245483_1.R1040	myb_dna-binding(HMM:2.3e-20)
12466	62966_2.R1040	myb_dna-binding(HMM:2.3e-26)
12467	149248_1.R1040	myb_dna-binding(HMM:2.3e-46)
12468	75514_1.R1040	myb_dna-binding(HMM:2.4e-06)
12469	eep700867030.h1	myb_dna-binding(HMM:2.4e-07)
12470	248951_1.R1040	myb_dna-binding(HMM:2.4e-12)
12471	jC-gmro02910020f04a1	myb_dna-binding(HMM:2.5e-06)
12472	172305_1.R1040	myb_dna-binding(HMM:2.5e-07)
12473	3364_2.R1040	myb_dna-binding(HMM:2.5e-09)
12474	188397_1.R1040	myb_dna-binding(HMM:2.5e-20)
12475	112119_1.R1040	myb_dna-binding(HMM:2.6e-06)
12476	171008_1.R1040	myb_dna-binding(HMM:2.6e-12)
12477	96749_2.R1040	myb_dna-binding(HMM:2.6e-12)
12478	uC-gmrominsoy229c02b1	myb_dna-binding(HMM:2.6e-16)
12479	sat701007423.h2	myb_dna-binding(HMM:2.7e-06)
12480	zsg701123350.h1	myb_dna-binding(HMM:2.8e-05)
12481	194126_1.R1040	myb_dna-binding(HMM:2.8e-18)
12482	pmv700890204.h1	myb_dna-binding(HMM:2e-08)
12483	3217_1.R1040	myb_dna-binding(HMM:2e-11)
12484	LIB3051-078-Q1-K1-E6	myb_dna-binding(HMM:2e-19)
12485	3864_1.R1040	myb_dna-binding(HMM:2e-36)
12486	uC-gmronoir056c06b1	myb_dna-binding(HMM:3.1e-05)
12487	20030_1.R1040	myb_dna-binding(HMM:3.1e-44)
12488	775_1.R1040	myb_dna-binding(HMM:3.2e-45)
12489	180_3.R1040	myb_dna-binding(HMM:3.4e-20)
12490	24366_1.R1040	myb_dna-binding(HMM:3.4e-42)
12491	jC-gmro02910009c07a1	myb_dna-binding(HMM:3.5e-29)
12492	780_1.R1040	myb_dna-binding(HMM:3.5e-42)
12493	fua701040606.h1	myb_dna-binding(HMM:3.6e-05)
12494	LIB3039-030-Q1-E1-F11	myb_dna-binding(HMM:3.6e-20)
12495	779_1.R1040	myb_dna-binding(HMM:3.6e-30)
12496	LIB3139-072-P1-N1-D11	myb_dna-binding(HMM:3.6e-37)
12497	20051_2.R1040	myb_dna-binding(HMM:3.7e-18)
12498	jex700907805.h1	myb_dna-binding(HMM:3.7e-19)
12499	247674_1.R1040	myb_dna-binding(HMM:3.7e-37)
12500	5100_1.R1040	myb_dna-binding(HMM:3.8)
12501	zsg701129720.h1	myb_dna-binding(HMM:3.8e-07)
12502	257832_1.R1040	myb_dna-binding(HMM:3.8e-41)
12503	7213_2.R1040	myb_dna-binding(HMM:3.8e-41)
12504	250760_1.R1040	myb_dna-binding(HMM:3.9e-21)
12505	LIB3139-114-P1-N1-H8	myb_dna-binding(HMM:3.9e-35)
12506	2210_1.R1040	myb_dna-binding(HMM:3e-11)
12507	pmv700888167.h1	myb_dna-binding(HMM:4.1e-17)
12508	107498_1.R1040	myb_dna-binding(HMM:4.1e-19)
12509	34995_3.R1040	myb_dna-binding(HMM:4.2e-16)
12510	LIB3109-021-Q1-K1-D10	myb_dna-binding(HMM:4.3)
12511	uC-gmrominsoy098d02b1	myb_dna-binding(HMM:4.3e-20)
12512	42909_1.R1040	myb_dna-binding(HMM:4.3e-26)

12513	LIB3139-094-P1-N1-C12	myb_dna-binding(HMM:4.5e-06)
12514	28901_1.R1040	myb_dna-binding(HMM:4.5e-18)
12515	jsh701066326.h1	myb_dna-binding(HMM:4.6e-14)
12516	118297_1.R1040	myb_dna-binding(HMM:4.8e-10)
12517	7213_1.R1040	myb_dna-binding(HMM:4.8e-20)
12518	1591_2.R1040	myb_dna-binding(HMM:4.8e-40)
12519	82562_1.R1040	myb_dna-binding(HMM:4.8e-40)
12520	176512_1.R1040	myb_dna-binding(HMM:4.9e-06)
12521	266605_1.R1040	myb_dna-binding(HMM:4.9e-07)
12522	59030_1.R1040	myb_dna-binding(HMM:4.9e-10)
12523	vwf700679623.h1	myb_dna-binding(HMM:4.9e-11)
12524	zhf700957658.h1	myb_dna-binding(HMM:4.9e-14)
12525	asn701138849.h1	myb_dna-binding(HMM:4e-14)
12526	139809_1.R1040	myb_dna-binding(HMM:4e-21)
12527	62966_1.R1040	myb_dna-binding(HMM:4e-41)
12528	257894_1.R1040	myb_dna-binding(HMM:4e-43)
12529	epx701106671.h1	myb_dna-binding(HMM:5.1e-05)
12530	LIB3028-034-Q1-B1-B10	myb_dna-binding(HMM:5.2e-07)
12531	57011_1.R1040	myb_dna-binding(HMM:5.3e-35)
12532	47105_1.R1040	myb_dna-binding(HMM:5.4e-09)
12533	1591_1.R1040	myb_dna-binding(HMM:5.4e-43)
12534	leu701150368.h1	myb_dna-binding(HMM:5.5e-23)
12535	uC-gmrominsoy223d02b1	myb_dna-binding(HMM:5.6)
12536	zzp700835878.h1	myb_dna-binding(HMM:5.8e-05)
12537	121488_1.R1040	myb_dna-binding(HMM:5.8e-09)
12538	203_1.R1040	myb_dna-binding(HMM:5.8e-19)
12539	crh700850631.h1	myb_dna-binding(HMM:5.9e-11)
12540	LIB3107-012-Q1-K1-H10	myb_dna-binding(HMM:5e-10)
12541	LIB3092-054-Q1-K1-A2	myb_dna-binding(HMM:6.1e-14)
12542	uC-gmrominsoy115e11b1	myb_dna-binding(HMM:6.1e-20)
12543	3364_1.R1040	myb_dna-binding(HMM:6.2e-10)
12544	9862_2.R1040	myb_dna-binding(HMM:6.2e-12)
12545	LIB3106-090-Q1-K1-F5	myb_dna-binding(HMM:6.7e-11)
12546	4876_1.R1040	myb_dna-binding(HMM:6.8e-10)
12547	302312_1.R1040	myb_dna-binding(HMM:6.9e-12)
12548	smc700745779.h1	myb_dna-binding(HMM:6e-05)
12549	71891_1.R1040	myb_dna-binding(HMM:7.2e-11)
12550	1908_3.R1040	myb_dna-binding(HMM:7.2e-42)
12551	80576_1.R1040	myb_dna-binding(HMM:7.4e-37)
12552	1580_2.R1040	myb_dna-binding(HMM:7.5e-10)
12553	LIB3028-027-Q1-B2-G6	myb_dna-binding(HMM:7.5e-12)
12554	21476_1.R1040	myb_dna-binding(HMM:7.6e-11)
12555	rca700999647.h1	myb_dna-binding(HMM:7.6e-12)
12556	4275_1.R1040	myb_dna-binding(HMM:7.6e-46)
12557	171890_1.R1040	myb_dna-binding(HMM:7.7e-19)
12558	LIB3109-053-Q1-K1-D12	myb_dna-binding(HMM:7.8e-06)
12559	80067_1.R1040	myb_dna-binding(HMM:7.8e-37)
12560	jsh701068223.h1	myb_dna-binding(HMM:8.3e-18)
12561	16930_1.R1040	myb_dna-binding(HMM:8.6e-05)
12562	65835_1.R1040	myb_dna-binding(HMM:8.8e-12)
12563	jex700906279.h1	myb_dna-binding(HMM:8.8e-17)
12564	20051_1.R1040	myb_dna-binding(HMM:8.8e-18)
12565	47105_4.R1040	myb_dna-binding(HMM:8.8e-35)
12566	776_1.R1040	myb_dna-binding(HMM:8e-40)

64155_1.R1040
jC-gmst02400009c05a1
1908_1.R1040
70302_1.R1040
6778_1.R1040
243023_1.R1040
222514_1.R1040
278162_1.R1040
LIB3092-021-Q1-K1-B7
txt700736976.h1
22509_1.R1040
15673_1.R1040
jC-gmfl02220127e09a1
uC-gmropic061g02b1
950_3.R1040
LIB3051-085-Q1-K1-E5
fde700874479.h1
107040_1.R1040
50066_1.R1040
83251_3.R1040
LIB3138-042-Q1-N1-C2
fua701041472.h1
jex700907943.h1
LIB3170-055-Q1-K1-C1
pmv700890165.h1
zsg701130443.h1
62967_2.R1040
49984_1.R1040
34859_1.R1040
16783_6.R1040
214388_1.R1040
zsg701123582.h1
28563_1.R1040
950_2.R1040
20975_1.R1040
xpa700792796.h1
16783_2.R1040
191901_1.R1040
7262_1.R1040
209717_1.R1040
950_6.R1040
jex700903290.h1
sat701003436.h1
LIB3092-046-Q1-K1-D7
4749_3.R1040
4937_2.R1040
64148_1.R1040
183014_1.R1040
100436_1.R1040
31540_1.R1040
83251_6.R1040
LIB3028-036-Q1-B1-H1
jex700908442.h1
23655_1.R1040

myb_dna-binding(HMM:9.3)
myb_dna-binding(HMM:9.4e-10)
myb_dna-binding(HMM:9.4e-43)
myb_dna-binding(HMM:9.5e-11)
myb_dna-binding(HMM:9.6e-22)
myb_dna-binding(HMM:9.9e-20)
myb_dna-binding(HMM:9e-42)
nam(HMM:0.00026)
nam(HMM:0.00061)
nam(HMM:0.0007)
nam(HMM:0.0011)
nam(HMM:0.002)
nam(HMM:0.0026)
nam(HMM:0.0028)
nam(HMM:0.0035)
nam(HMM:0.0047)
nam(HMM:0.005)
nam(HMM:0.016)
nam(HMM:0.017)
nam(HMM:0.017)
nam(HMM:0.023)
nam(HMM:0.024)
nam(HMM:0.058)
nam(HMM:0.08)
nam(HMM:0.19)
nam(HMM:0.25)
nam(HMM:1.1e-09)
nam(HMM:1.1e-39)
nam(HMM:1.1e-41)
nam(HMM:1.1e-81)
nam(HMM:1.2e-05)
nam(HMM:1.2e-07)
nam(HMM:1.2e-83)
nam(HMM:1.2e-84)
nam(HMM:1.3e-82)
nam(HMM:1.4e-10)
nam(HMM:1.4e-33)
nam(HMM:1.5e-09)
nam(HMM:1.5e-71)
nam(HMM:1.6e-59)
nam(HMM:1.7e-08)
nam(HMM:1.7e-08)
nam(HMM:1.7e-09)
nam(HMM:1.7e-10)
nam(HMM:1.8e-73)
nam(HMM:1e-36)
nam(HMM:1e-43)
nam(HMM:1e-66)
nam(HMM:2.1e-07)
nam(HMM:2.1e-76)
nam(HMM:2.3e-06)
nam(HMM:2.3e-41)
nam(HMM:2.4e-10)
nam(HMM:2.4e-88)

12621	zhf700954809.h1	nam(HMM:2.5e-18)
12622	2989_2.R1040	nam(HMM:2.5e-75)
12623	26446_1.R1040	nam(HMM:2.5e-76)
12624	ssr700555303.h1	nam(HMM:2.6e-08)
12625	75484_1.R1040	nam(HMM:2.8e-17)
12626	zlv700807675.h1	nam(HMM:2.8e-22)
12627	174243_1.R1040	nam(HMM:2.9e-05)
12628	950_1.R1040	nam(HMM:2.9e-84)
12629	LIB3170-071-Q1-J1-E9	nam(HMM:2e-06)
12630	7262_2.R1040	nam(HMM:3.1e-06)
12631	33057_1.R1040	nam(HMM:3.1e-20)
12632	4749_2.R1040	nam(HMM:3.1e-34)
12633	LIB3092-007-Q1-K1-G3	nam(HMM:3.3e-06)
12634	79728_1.R1040	nam(HMM:3.4e-89)
12635	100436_2.R1040	nam(HMM:3.5e-05)
12636	LIB3139-025-P1-N1-C11	nam(HMM:3.6e-20)
12637	117417_1.R1040	nam(HMM:3.7e-12)
12638	950_5.R1040	nam(HMM:3.7e-82)
12639	jC-gmfl02220086d01a1	nam(HMM:3.8e-14)
12640	171_25.R1040	nam(HMM:3.8e-33)
12641	LIB3051-016-Q1-E1-F9	nam(HMM:3.8e-33)
12642	72499_1.R1040	nam(HMM:3.9e-05)
12643	83251_1.R1040	nam(HMM:3e-10)
12644	2459_1.R1040	nam(HMM:3e-53)
12645	LIB3093-046-Q1-K1-A1	nam(HMM:4.1e-07)
12646	5121_1.R1040	nam(HMM:4.1e-08)
12647	4937_1.R1040	nam(HMM:4.1e-80)
12648	LIB3093-017-Q1-K2-C2	nam(HMM:4.2e-09)
12649	4937_3.R1040	nam(HMM:4.4e-06)
12650	fua701042317.h1	nam(HMM:4.4e-12)
12651	uC-gmrominsoy261a05b1	nam(HMM:4.5e-50)
12652	213051_1.R1040	nam(HMM:4.6e-15)
12653	zhf700963825.h1	nam(HMM:4.6e-20)
12654	16173_1.R1040	nam(HMM:4.6e-21)
12655	uC-gmflminsoy001f04b1	nam(HMM:4.6e-21)
12656	221624_1.R1040	nam(HMM:5.2e-08)
12657	crh700850986.h1	nam(HMM:5.4e-08)
12658	5442_1.R1040	nam(HMM:5.5e-09)
12659	LIB3056-003-Q1-N1-G7	nam(HMM:5.5e-43)
12660	LIB3167-002-Q1-K1-D9	nam(HMM:5.6e-25)
12661	4749_1.R1040	nam(HMM:5.6e-84)
12662	rlr700896888.h1	nam(HMM:5.7e-05)
12663	105492_1.R1040	nam(HMM:5.7e-36)
12664	27026_1.R1040	nam(HMM:5.8e-40)
12665	LIB3139-065-P1-N1-E3	nam(HMM:5.9e-22)
12666	trc700567730.h1	nam(HMM:5e-05)
12667	242869_1.R1040	nam(HMM:6)
12668	LIB3106-060-Q1-K1-E1	nam(HMM:6.2e-10)
12669	uC-gmrominsoy049d08b1	nam(HMM:6.3e-28)
12670	153402_1.R1040	nam(HMM:6.8e-09)
12671	LIB3170-078-Q1-K1-F10	nam(HMM:6.9)
12672	LIB3092-045-Q1-K1-A10	nam(HMM:7.2e-06)
12673	271883_1.R1040	nam(HMM:7.3e-11)
12674	4301_1.R1040	nam(HMM:7.4e-88)

12675	uC-gmrominsoy314f04b1	nam(HMM:7.8e-07)
12676	950_9.R1040	nam(HMM:7.9e-35)
12677	171_28.R1040	nam(HMM:8.1e-40)
12678	5121_2.R1040	nam(HMM:8.5e-78)
12679	21252_1.R1040	nam(HMM:8.5e-84)
12680	LIB3139-106-P1-N1-C7	nam(HMM:9.1e-10)
12681	uC-gmflminsoy052a04b1	nam(HMM:9.1e-10)
12682	171_12.R1040	nam(HMM:9.3e-42)
12683	2989_1.R1040	nam(HMM:9.3e-86)
12684	1957_4.R1040	nam(HMM:9.6e-24)
12685	135443_1.R1040	nap_family(HMM:0.00026)
12686	285699_1.R1040	nap_family(HMM:1.1e-09)
12687	614_1.R1040	nap_family(HMM:1.2e-141)
12688	614_2.R1040	nap_family(HMM:1.8e-135)
12689	rlr700899387.h1	nap_family(HMM:1.9e-07)
12690	614_4.R1040	nap_family(HMM:2.4e-16)
12691	119899_1.R1040	nap_family(HMM:2.6e-16)
12692	uC-gmrominsoy032d03b1	nap_family(HMM:4.8e-24)
12693	6106_1.R1040	nap_family(HMM:7.1e-05)
12694	13433_1.R1040	nap_family(HMM:7.9e-10)
12695	uC-gmflminsoy034g10b1	nap_family(HMM:9.7e-22)
12696	27490_1.R1040	phd(HMM:0.00012)
12697	fua701042662.h1	phd(HMM:0.00019)
12698	36243_1.R1040	phd(HMM:0.00042)
12699	uC-gmflminsoy049c10b1	phd(HMM:0.00057)
12700	193369_1.R1040	phd(HMM:0.00092)
12701	143342_1.R1040	phd(HMM:0.0011)
12702	26300_1.R1040	phd(HMM:0.0012)
12703	17364_1.R1040	phd(HMM:0.0098)
12704	283013_1.R1040	phd(HMM:0.016)
12705	txt700735931.h1	phd(HMM:0.057)
12706	105132_1.R1040	phd(HMM:0.063)
12707	g5342387	phd(HMM:0.066)
12708	44068_1.R1040	phd(HMM:0.068)
12709	10868_1.R1040	phd(HMM:0.079)
12710	170309_1.R1040	phd(HMM:0.088)
12711	awf700840012.h1	phd(HMM:0.1)
12712	178799_1.R1040	phd(HMM:0.11)
12713	43239_1.R1040	phd(HMM:0.11)
12714	zhf700953563.h1	phd(HMM:0.12)
12715	177071_1.R1040	phd(HMM:0.19)
12716	22589_1.R1040	phd(HMM:0.25)
12717	kmv700738858.h1	phd(HMM:0.32)
12718	92884_1.R1040	phd(HMM:0.61)
12719	LIB3074-020-Q1-E1-F7	phd(HMM:1.1e-06)
12720	gsv701051914.h1	phd(HMM:1.2e-05)
12721	25649_1.R1040	phd(HMM:1.2e-08)
12722	uC-gmrominsoy277f07b1	phd(HMM:1.2e-08)
12723	28814_1.R1040	"phd(HMM:1.2e-08),zf-c3hc4(HMM:0.0029)"
12724	187712_1.R1040	phd(HMM:1.3)
12725	uC-gmronoir030c05b1	phd(HMM:1.4e-05)
12726	199515_1.R1040	phd(HMM:1.4e-07)
12727	22750_1.R1040	phd(HMM:1.4e-11)

12728	4392_2.R1040	phd(HMM:1.6e-05)
12729	36464_1.R1040	phd(HMM:1.7e-08)
12730	LIB3051-035-Q1-K1-E3	phd(HMM:1.9e-09)
12731	uxk700670734.h1	phd(HMM:2.1)
12732	12175_1.R1040	phd(HMM:2.2e-13)
12733	uC-gmflminsoy064a08b1	phd(HMM:2.4e-05)
12734	leu701147512.h1	phd(HMM:2.5e-05)
12735	127472_1.R1040	phd(HMM:2.6)
12736	pxt700945325.h1	phd(HMM:2.7e-09)
12737	jC-gmle01810010c06a1	phd(HMM:2e-08)
12738	32404_1.R1040	phd(HMM:3.7e-09)
12739	21661_1.R1040	phd(HMM:4e-10)
12740	sat701013026.h1	phd(HMM:5.5e-06)
12741	188899_1.R1040	phd(HMM:6.3e-14)
12742	LIB3051-007-Q1-E1-H12	phd(HMM:9.2e-06)
12743	271051_1.R1040	response_reg(HMM:0.00054)
12744	85237_1.R1040	response_reg(HMM:0.00056)
12745	35397_1.R1040	response_reg(HMM:0.00058)
12746	105436_1.R1040	response_reg(HMM:0.00089)
12747	fua701039913.h1	response_reg(HMM:0.001)
12748	zzp700835470.h1	response_reg(HMM:0.0011)
12749	leu701151793.h1	response_reg(HMM:0.0021)
12750	uC-gmropic009c02b1	response_reg(HMM:0.0023)
12751	kli701210281.h1	response_reg(HMM:0.003)
12752	fde700871314.h1	response_reg(HMM:0.0065)
12753	75868_1.R1040	response_reg(HMM:0.018)
12754	dvp701097689.h1	response_reg(HMM:0.024)
12755	uC-gmropic061b05b1	response_reg(HMM:0.04)
12756	73518_3.R1040	response_reg(HMM:0.18)
12757	jC-gmle01810063c02a1	response_reg(HMM:1.1e-15)
12758	124583_1.R1040	response_reg(HMM:1.3e-05)
12759	LIB3139-088-P1-N1-F8	response_reg(HMM:1.3e-19)
12760	72381_1.R1040	response_reg(HMM:1.3e-28)
12761	zsg701118832.h1	response_reg(HMM:1.4)
12762	LIB3109-012-Q1-K1-E5	response_reg(HMM:1.4e-08)
12763	uC-gmropic044a03b1	response_reg(HMM:1.7e-09)
12764	g4395737	response_reg(HMM:1.9e-10)
12765	5581_1.R1040	response_reg(HMM:1.9e-13)
12766	jC-gmfl02220130a12d1	response_reg(HMM:1e-06)
12767	25884_1.R1040	response_reg(HMM:2.2e-06)
12768	73518_4.R1040	response_reg(HMM:2.7e-11)
12769	29380_1.R1040	response_reg(HMM:3.1e-11)
12770	asn701131711.h1	response_reg(HMM:3.4e-06)
12771	45325_2.R1040	response_reg(HMM:4.2e-34)
12772	gsv701054924.h1	response_reg(HMM:4.4e-05)
12773	17563_1.R1040	response_reg(HMM:4.7e-13)
12774	233110_1.R1040	response_reg(HMM:4e-05)
12775	73518_2.R1040	response_reg(HMM:5.8e-08)
12776	g2407791_FL	response_reg(HMM:6)
12777	18103_1.R1040	response_reg(HMM:6e-05)
12778	45256_1.R1040	response_reg(HMM:7.4e-26)
12779	LIB3087-003-Q1-K1-B2	response_reg(HMM:7.5e-06)
12780	101194_1.R1040	response_reg(HMM:7.8e-37)
12781	73283_1.R1040	response_reg(HMM:8.4e-33)

12782	6815_1.R1040	response_reg(HMM:8.5e-15)
12783	48962_1.R1040	response_reg(HMM:8.5e-16)
12784	wrg700792139.h1	response_reg(HMM:9.1e-07)
12785	LIB3138-130-Q1-N1-B4	response_reg(HMM:9.4e-05)
12786	241475_2.R1040	sbpb(HMM:0.00018)
12787	LIB3093-052-Q1-K1-H5	sbpb(HMM:0.00097)
12788	zzp700834064.h1	sbpb(HMM:0.0011)
12789	96796_1.R1040	sbpb(HMM:0.81)
12790	944_1.R1040	sbpb(HMM:1.2e-41)
12791	txt700734849.h1	sbpb(HMM:1.3e-38)
12792	271757_1.R1040	sbpb(HMM:2.6e-19)
12793	25838_1.R1040	sbpb(HMM:2.7e-42)
12794	zhf700959795.h1	sbpb(HMM:3.1e-36)
12795	241475_1.R1040	sbpb(HMM:3.8e-19)
12796	LIB3039-011-Q1-E1-G1	sbpb(HMM:4.1)
12797	4787_1.R1040	sbpb(HMM:4.5e-43)
12798	LIB3138-105-Q1-N1-F7	sbpb(HMM:5.7e-06)
12799	244791_1.R1040	scr(HMM:0.00034)
12800	17966_1.R1040	scr(HMM:0.00069)
12801	101957_1.R1040	scr(HMM:0.0023)
12802	142103_1.R1040	scr(HMM:0.0034)
12803	48649_2.R1040	scr(HMM:0.006)
12804	fC-gmfl700903946h1	scr(HMM:0.007)
12805	LIB3106-102-Q1-K1-C2	scr(HMM:0.0085)
12806	41704_1.R1040	scr(HMM:0.015)
12807	jC-gmfl02220090c02d1	scr(HMM:0.56)
12808	3547_1.R1040	scr(HMM:1.1e-151)
12809	ncj700975650.h1	scr(HMM:1.1e-31)
12810	121932_1.R1040	scr(HMM:1.3e-06)
12811	43691_1.R1040	scr(HMM:1.3e-09)
12812	80336_1.R1040	scr(HMM:1.3e-22)
12813	285340_1.R1040	scr(HMM:1.4e-05)
12814	8204_1.R1040	scr(HMM:1.4e-08)
12815	wrg700789403.h2	scr(HMM:1.4e-22)
12816	181714_1.R1040	scr(HMM:1.5e-05)
12817	LIB3028-021-Q1-B1-B5	scr(HMM:1.6e-10)
12818	19625_4.R1040	scr(HMM:1.8e-09)
12819	81164_1.R1040	scr(HMM:1.9e-106)
12820	1377_1.R1040	scr(HMM:1.9e-49)
12821	19582_1.R1040	scr(HMM:1e-14)
12822	rlr700900211.h1	scr(HMM:2.1e-12)
12823	7491_1.R1040	scr(HMM:2.1e-13)
12824	108854_1.R1040	scr(HMM:2.3e-11)
12825	19625_2.R1040	scr(HMM:2.3e-11)
12826	wrg700789643.h2	scr(HMM:2.4e-06)
12827	jex700908128.h1	scr(HMM:2.4e-08)
12828	19737_1.R1040	scr(HMM:2.4e-13)
12829	102573_1.R1040	scr(HMM:2.4e-47)
12830	33972_1.R1040	scr(HMM:2.5e-74)
12831	jex700904893.h1	scr(HMM:2.6e-10)
12832	48649_1.R1040	scr(HMM:2.6e-164)
12833	103055_1.R1040	scr(HMM:2.8e-06)
12834	kl1701204934.h1	scr(HMM:2e-09)
12835	vwf700676535.h1	scr(HMM:3.1e-15)

12836	102345_1.R1040	scr(HMM:3.2e-13)
12837	trc700565486.h1	scr(HMM:3.4e-13)
12838	sat701009339.h1	scr(HMM:3.4e-25)
12839	76507_1.R1040	scr(HMM:3.7e-24)
12840	27377_1.R1040	scr(HMM:3.8)
12841	LIB3138-015-Q1-N1-D12	scr(HMM:3.8e-26)
12842	g4292932	scr(HMM:3.9)
12843	19905_1.R1040	scr(HMM:3.9e-08)
12844	12831_1.R1040	scr(HMM:4.1e-121)
12845	76513_1.R1040	scr(HMM:4.1e-60)
12846	hrw701060534.h1	scr(HMM:4.2e-37)
12847	45639_1.R1040	scr(HMM:4.6e-08)
12848	78501_1.R1040	scr(HMM:4.6e-08)
12849	awf700837816.h1	scr(HMM:4.9e-20)
12850	fua701043180.h1	scr(HMM:4.9e-29)
12851	eep700867665.h1	scr(HMM:4e-05)
12852	uC-gmrominsoy171c07b1	scr(HMM:6.7e-06)
12853	dpv701099003.h1	scr(HMM:6.7e-27)
12854	25740_1.R1040	scr(HMM:6.8e-08)
12855	smc700749025.h1	scr(HMM:6.8e-10)
12856	58336_1.R1040	scr(HMM:6.8e-20)
12857	310076_1.R1040	scr(HMM:7.1e-08)
12858	LIB3051-047-Q1-K1-H7	scr(HMM:7.1e-15)
12859	27171_1.R1040	scr(HMM:7.8e-127)
12860	zzp700831503.h1	scr(HMM:7.9e-08)
12861	344207_1.R1040	scr(HMM:8.1e-06)
12862	47329_1.R1040	scr(HMM:8.1e-15)
12863	zzp700830681.h1	scr(HMM:8.4e-05)
12864	49946_1.R1040	scr(HMM:8.8e-15)
12865	xpa700795232.h1	scr(HMM:9.3e-14)
12866	12169_1.R1040	set(HMM:0.00026)
12867	pxt700942511.h1	set(HMM:0.0013)
12868	285750_1.R1040	set(HMM:0.002)
12869	wrg700790260.h2	set(HMM:0.44)
12870	LIB3051-019-Q1-E1-F3	set(HMM:1.2e-08)
12871	141239_1.R1040	set(HMM:1.3)
12872	75558_1.R1040	set(HMM:1.5e-43)
12873	uC-gmrominsoy039d12b1	set(HMM:1.6e-05)
12874	70310_1.R1040	set(HMM:2.3e-05)
12875	g5753642	set(HMM:2.7e-21)
12876	341694_1.R1040	set(HMM:2e-12)
12877	23495_1.R1040	set(HMM:5.5e-05)
12878	54288_1.R1040	set(HMM:6.7e-05)
12879	LIB3049-034-Q1-E1-G9	set(HMM:7.3)
12880	LIB3106-079-P1-K1-D1	set(HMM:7.5e-10)
12881	pxt700944139.h1	set(HMM:7.8e-12)
12882	74446_1.R1040	set(HMM:7.9e-43)
12883	zzp700835731.h1	set(HMM:8.3e-09)
12884	75008_1.R1040	set(HMM:8.4)
12885	zhf700961475.h1	snf2_n(HMM:0.00023)
12886	leu701148244.h1	snf2_n(HMM:0.00028)
12887	wrg700787754.h2	snf2_n(HMM:0.0071)
12888	uC-gmropic021h02b1	snf2_n(HMM:0.037)
12889	56644_1.R1040	snf2_n(HMM:0.041)

13051	28237_1.R1040	wrky(HMM:1.1e-32)
13052	LIB3139-056-P1-N1-F6	wrky(HMM:1.2e-14)
13053	20319_1.R1040	wrky(HMM:1.3e-38)
13054	20538_1.R1040	wrky(HMM:1.3e-41)
13055	59118_1.R1040	wrky(HMM:1.4e-38)
13056	55535_1.R1040	wrky(HMM:1.4e-50)
13057	pmv700888487.h1	wrky(HMM:1.5e-37)
13058	203656_1.R1040	wrky(HMM:1.5e-41)
13059	23922_1.R1040	wrky(HMM:1.5e-42)
13060	203656_2.R1040	wrky(HMM:1.6e-10)
13061	315174_1.R1040	wrky(HMM:1.6e-27)
13062	4989_1.R1040	wrky(HMM:1.6e-39)
13063	49557_1.R1040	wrky(HMM:1.6e-40)
13064	20319_9.R1040	wrky(HMM:1.7e-13)
13065	180690_1.R1040	wrky(HMM:1.8e-06)
13066	210287_1.R1040	wrky(HMM:1.8e-30)
13067	62859_1.R1040	wrky(HMM:1.9e-44)
13068	LIB3050-011-Q1-E1-A10	wrky(HMM:2.1e-28)
13069	106626_1.R1040	wrky(HMM:2.1e-33)
13070	2719_2.R1040	wrky(HMM:2.2e-90)
13071	28599_1.R1040	wrky(HMM:2.3e-35)
13072	jex700906508.h1	wrky(HMM:2.4e-29)
13073	txt700732134.h1	wrky(HMM:2.5)
13074	33911_2.R1040	wrky(HMM:2e-16)
13075	92768_1.R1040	wrky(HMM:3.3e-41)
13076	15043_1.R1040	wrky(HMM:3.3e-44)
13077	zsg701123986.h1	wrky(HMM:3.4)
13078	2719_3.R1040	wrky(HMM:3.4e-39)
13079	33911_1.R1040	wrky(HMM:3.6e-41)
13080	fde700874291.h1	wrky(HMM:3.8e-06)
13081	20857_1.R1040	wrky(HMM:3.9e-13)
13082	LIB3050-015-Q1-E1-F6	wrky(HMM:3e-06)
13083	jC-gmro02910037c12a1	wrky(HMM:4.2e-32)
13084	23922_3.R1040	wrky(HMM:4.2e-42)
13085	149364_1.R1040	wrky(HMM:4.3e-06)
13086	zsg701123055.h1	wrky(HMM:4.3e-06)
13087	78602_1.R1040	wrky(HMM:4.5e-39)
13088	6HC-01-Q1-E1-B11	wrky(HMM:4.6e-23)
13089	LIB3051-037-Q1-K1-F6	wrky(HMM:4.6e-36)
13090	123589_1.R1040	wrky(HMM:4.6e-42)
13091	20319_6.R1040	wrky(HMM:4.9e-24)
13092	10864_1.R1040	wrky(HMM:4e-23)
13093	83624_1.R1040	wrky(HMM:6.2e-33)
13094	zzp700832484.h1	wrky(HMM:6.4e-06)
13095	16828_1.R1040	wrky(HMM:6.8e-34)
13096	175077_1.R1040	wrky(HMM:6e-35)
13097	26397_1.R1040	wrky(HMM:7.1e-39)
13098	gsv701056828.h1	wrky(HMM:7.2e-41)
13099	LIB3106-049-Q1-K1-E3	wrky(HMM:7.3e-32)
13100	32018_1.R1040	wrky(HMM:7.6e-23)
13101	xpa700796339.h1	wrky(HMM:7.7)
13102	26104_2.R1040	wrky(HMM:7.8e-34)
13103	248615_1.R1040	wrky(HMM:8.4e-38)
13104	203592_1.R1040	wrky(HMM:8.5e-18)

13105	2719_1.R1040	wrky(HMM:8.6e-18)
13106	28262_1.R1040	wrky(HMM:8.8e-30)
13107	hrw701058294.h1	wrky(HMM:9.8e-08)
13108	LIB3028-028-Q1-B1-G1	"zf-b_box(HMM:0.00026),zf-constans(HMM:4.4e-35)"
13109	zhf700956765.h1	"zf-b_box(HMM:0.00039),zf-constans(HMM:6.1e-18)"
13110	5359_1.R1040	"zf-b_box(HMM:0.0018),zf-constans(HMM:1.9e-15)"
13111	80526_1.R1040	"zf-b_box(HMM:0.0037),zf-constans(HMM:3.4e-35)"
13112	24008_1.R1040	"zf-b_box(HMM:0.0051),zf-constans(HMM:4.7e-36)"
13113	63519_2.R1040	"zf-b_box(HMM:0.0088),zf-constans(HMM:2.4e-31)"
13114	32727_1.R1040	"zf-b_box(HMM:0.011),zf-constans(HMM:5.3e-42)"
13115	crh700850745.h1	"zf-b_box(HMM:0.012),zf-constans(HMM:2.3e-18)"
13116	zhf700953734.h1	"zf-b_box(HMM:0.012),zf-constans(HMM:2.3e-18)"
13117	6465_1.R1040	"zf-b_box(HMM:0.028),zf-constans(HMM:1.6e-38)"
13118	84114_1.R1040	"zf-b_box(HMM:0.03),zf-constans(HMM:1.3e-16)"
13119	32727_2.R1040	"zf-b_box(HMM:0.032),zf-constans(HMM:2.9e-40)"
13120	100383_1.R1040	"zf-b_box(HMM:0.035),zf-constans(HMM:1.1e-17)"
13121	32876_1.R1040	"zf-b_box(HMM:0.036),zf-constans(HMM:6.3e-32)"
13122	153249_1.R1040	"zf-b_box(HMM:0.052),zf-constans(HMM:1.1e-09)"
13123	100881_1.R1040	"zf-b_box(HMM:0.054),zf-constans(HMM:5.7e-32)"
13124	fde700875533.h1	"zf-b_box(HMM:0.057),zf-constans(HMM:1.7e-19)"
13125	102998_1.R1040	"zf-b_box(HMM:0.088),zf-constans(HMM:7.1e-09)"
13126	58708_1.R1040	"zf-b_box(HMM:0.094),zf-constans(HMM:9.4e-16)"
13127	4668_1.R1040	zf-c2h2(HMM:0.00019)
13128	LIB3109-031-Q1-K1-F7	zf-c2h2(HMM:0.00019)
13129	LIB3170-022-Q1-J1-A2	zf-c2h2(HMM:0.00079)
13130	g4282629	zf-c2h2(HMM:0.0011)
13131	35151_1.R1040	zf-c2h2(HMM:0.0012)
13132	46470_1.R1040	zf-c2h2(HMM:0.0012)
13133	46470_2.R1040	zf-c2h2(HMM:0.0012)
13134	LIB3049-035-Q1-E1-G5	zf-c2h2(HMM:0.0012)
13135	126225_1.R1040	zf-c2h2(HMM:0.0013)
13136	jC-gmle01810062b01a1	zf-c2h2(HMM:0.0014)
13137	320112_1.R1040	zf-c2h2(HMM:0.0019)
13138	15701_1.R1040	zf-c2h2(HMM:0.0022)
13139	185045_1.R1040	zf-c2h2(HMM:0.0024)

13194	54776_1.R1040	zf-c3hc4(HMM:0.0016)
13195	LIB3139-031-P1-N1-H3	zf-c3hc4(HMM:0.003)
13196	79907_1.R1040	zf-c3hc4(HMM:0.0031)
13197	jC-gmle01810054b09a1	zf-c3hc4(HMM:0.0032)
13198	g4314048	zf-c3hc4(HMM:0.0034)
13199	119_4.R1040	zf-c3hc4(HMM:0.0035)
13200	310511_1.R1040	zf-c3hc4(HMM:0.0036)
13201	6551_1.R1040	zf-c3hc4(HMM:0.0037)
13202	crh700853019.h1	zf-c3hc4(HMM:0.0041)
13203	LIB3170-029-Q1-J1-B11	zf-c3hc4(HMM:0.005)
13204	171917_1.R1040	zf-c3hc4(HMM:0.0058)
13205	42612_1.R1040	zf-c3hc4(HMM:0.0068)
13206	smc700745011.h1	zf-c3hc4(HMM:0.0071)
13207	26812_2.R1040	zf-c3hc4(HMM:0.0077)
13208	99235_1.R1040	zf-c3hc4(HMM:0.0079)
13209	42381_1.R1040	zf-c3hc4(HMM:0.008)
13210	jC-gmst02400060f04d1	zf-c3hc4(HMM:0.009)
13211	19842_1.R1040	zf-c3hc4(HMM:0.0098)
13212	19150_1.R1040	zf-c3hc4(HMM:0.011)
13213	29230_1.R1040	zf-c3hc4(HMM:0.011)
13214	15218_1.R1040	zf-c3hc4(HMM:0.012)
13215	15218_2.R1040	zf-c3hc4(HMM:0.012)
13216	103882_1.R1040	zf-c3hc4(HMM:0.013)
13217	uC-gmrominsoy176h07b1	zf-c3hc4(HMM:0.013)
13218	161466_1.R1040	zf-c3hc4(HMM:0.015)
13219	292889_1.R1040	zf-c3hc4(HMM:0.016)
13220	21450_1.R1040	zf-c3hc4(HMM:0.017)
13221	16293_1.R1040	zf-c3hc4(HMM:0.018)
13222	60756_1.R1040	zf-c3hc4(HMM:0.02)
13223	194900_2.R1040	zf-c3hc4(HMM:0.021)
13224	59077_1.R1040	zf-c3hc4(HMM:0.021)
13225	3108_1.R1040	zf-c3hc4(HMM:0.024)
13226	57367_1.R1040	zf-c3hc4(HMM:0.025)
13227	132981_1.R1040	zf-c3hc4(HMM:0.026)
13228	26812_1.R1040	zf-c3hc4(HMM:0.026)
13229	36241_1.R1040	zf-c3hc4(HMM:0.027)
13230	LIB3106-064-Q1-K1-C12	zf-c3hc4(HMM:0.03)
13231	gsv701050091.h1	zf-c3hc4(HMM:0.031)
13232	116974_1.R1040	zf-c3hc4(HMM:0.035)
13233	pxt700944140.h1	zf-c3hc4(HMM:0.036)
13234	170870_1.R1040	zf-c3hc4(HMM:0.042)
13235	2079_1.R1040	zf-c3hc4(HMM:0.055)
13236	LIB3039-011-Q1-E1-A9	zf-c3hc4(HMM:0.065)
13237	LIB3050-022-Q1-K1-F8	zf-c3hc4(HMM:0.065)
13238	45621_1.R1040	"zf-c3hc4(HMM:0.07),zz(HMM:1e-05)"
13239	4147_1.R1040	zf-c3hc4(HMM:0.075)
13240	7073_1.R1040	zf-c3hc4(HMM:0.091)
13241	99503_1.R1040	zf-c3hc4(HMM:0.14)
13242	27215_1.R1040	zf-c3hc4(HMM:0.15)
13243	LIB3093-047-Q1-K1-B9	zf-c3hc4(HMM:0.18)
13244	LIB3139-037-P1-N1-B3	zf-c3hc4(HMM:0.18)
13245	194157_1.R1040	zf-c3hc4(HMM:0.24)

13246	LIB3087-010-Q1-K1-D12	zf-c3hc4(HMM:0.33)
13247	kl1701205017.h1	zf-c3hc4(HMM:0.4)
13248	122_7.R1040	zf-c3hc4(HMM:0.44)
13249	122_8.R1040	zf-c3hc4(HMM:0.44)
13250	122_9.R1040	zf-c3hc4(HMM:0.44)
13251	71978_1.R1040	zf-c3hc4(HMM:0.5)
13252	fde700875744.h1	zf-c3hc4(HMM:0.69)
13253	asn701142328.h1	zf-c3hc4(HMM:1.1)
13254	279503_1.R1040	zf-c3hc4(HMM:1.1e-05)
13255	1667_1.R1040	zf-c3hc4(HMM:1.1e-08)
13256	25430_1.R1040	zf-c3hc4(HMM:1.1e-08)
13257	47467_1.R1040	zf-c3hc4(HMM:1.2e-09)
13258	LIB3106-067-P1-K1-B9	zf-c3hc4(HMM:1.2e-09)
13259	82187_1.R1040	zf-c3hc4(HMM:1.2e-10)
13260	167545_1.R1040	zf-c3hc4(HMM:1.3e-10)
13261	260713_1.R1040	zf-c3hc4(HMM:1.3e-12)
13262	27599_1.R1040	zf-c3hc4(HMM:1.4e-08)
13263	285676_1.R1040	zf-c3hc4(HMM:1.4e-11)
13264	28688_1.R1040	zf-c3hc4(HMM:1.6e-05)
13265	LIB3050-004-Q1-E1-E5	zf-c3hc4(HMM:1.6e-07)
13266	pxt700946025.h1	zf-c3hc4(HMM:1.7e-09)
13267	awf700842735.h1	zf-c3hc4(HMM:1.7e-10)
13268	21692_1.R1040	zf-c3hc4(HMM:1.8e-07)
13269	174089_1.R1040	zf-c3hc4(HMM:1.9e-10)
13270	28062_1.R1040	zf-c3hc4(HMM:1.9e-10)
13271	81412_1.R1040	zf-c3hc4(HMM:1e-09)
13272	33145_1.R1040	zf-c3hc4(HMM:2.1e-11)
13273	smc700749192.h1	zf-c3hc4(HMM:2.2e-06)
13274	48122_1.R1040	zf-c3hc4(HMM:2.2e-08)
13275	30158_1.R1040	zf-c3hc4(HMM:2.4e-10)
13276	9815_1.R1040	zf-c3hc4(HMM:2.4e-11)
13277	47228_1.R1040	zf-c3hc4(HMM:2.5e-07)
13278	1991_2.R1040	zf-c3hc4(HMM:2.5e-08)
13279	315949_1.R1040	zf-c3hc4(HMM:2.6e-05)
13280	188190_1.R1040	zf-c3hc4(HMM:2.6e-07)
13281	45919_1.R1040	zf-c3hc4(HMM:2.6e-09)
13282	106140_1.R1040	zf-c3hc4(HMM:2.7e-05)
13283	236942_1.R1040	zf-c3hc4(HMM:2.7e-05)
13284	uC-gmronoir043d12b1	zf-c3hc4(HMM:2.7e-10)
13285	1827_2.R1040	zf-c3hc4(HMM:2.8e-06)
13286	1886_1.R1040	zf-c3hc4(HMM:2.8e-09)
13287	231498_1.R1040	zf-c3hc4(HMM:2.9e-12)
13288	3816_1.R1040	zf-c3hc4(HMM:2.9e-12)
13289	78700_1.R1040	zf-c3hc4(HMM:2.9e-12)
13290	jC-gmfl02220073g06d1	zf-c3hc4(HMM:2e-09)
13291	194900_1.R1040	zf-c3hc4(HMM:2e-10)
13292	494_1.R1040	zf-c3hc4(HMM:3.1e-12)
13293	26018_1.R1040	zf-c3hc4(HMM:3.2e-06)
13294	28804_1.R1040	zf-c3hc4(HMM:3.2e-08)
13295	4147_2.R1040	zf-c3hc4(HMM:3.2e-10)
13296	188798_1.R1040	zf-c3hc4(HMM:3.3e-08)
13297	seb700651467.h1	zf-c3hc4(HMM:3.3e-10)
13298	sat701008075.h1	zf-c3hc4(HMM:3.4e-05)
13299	jC-gmro02910025g05a1	zf-c3hc4(HMM:3.4e-10)

13300	46782_1.R1040	zf-c3hc4(HMM:3.4e-12)
13301	236721_1.R1040	zf-c3hc4(HMM:3.5e-13)
13302	78701_1.R1040	zf-c3hc4(HMM:3.6e-08)
13303	33941_1.R1040	zf-c3hc4(HMM:3.6e-11)
13304	26895_1.R1040	zf-c3hc4(HMM:3.8e-07)
13305	3772_1.R1040	zf-c3hc4(HMM:3.8e-09)
13306	81883_1.R1040	zf-c3hc4(HMM:3.8e-10)
13307	188211_1.R1040	zf-c3hc4(HMM:3e-06)
13308	48257_1.R1040	zf-c3hc4(HMM:3e-06)
13309	5003_1.R1040	zf-c3hc4(HMM:3e-09)
13310	LIB3051-014-Q1-E1-A8	zf-c3hc4(HMM:3e-09)
13311	122_11.R1040	zf-c3hc4(HMM:4.1)
13312	g4298640	zf-c3hc4(HMM:4.2e-11)
13313	uC-gmrominsoy111a03b1	zf-c3hc4(HMM:4.3e-07)
13314	18447_1.R1040	zf-c3hc4(HMM:4.3e-09)
13315	LIB3138-015-Q1-N2-E3	zf-c3hc4(HMM:4.4e-09)
13316	ssr700555461.h1	zf-c3hc4(HMM:4.4e-10)
13317	uC-gmflminsoy027c02b1	zf-c3hc4(HMM:4.4e-12)
13318	vwf700678783.h1	zf-c3hc4(HMM:4.4e-12)
13319	3816_2.R1040	zf-c3hc4(HMM:4.7e-11)
13320	382296_1.R1040	zf-c3hc4(HMM:4.7e-11)
13321	13937_1.R1040	zf-c3hc4(HMM:4.8e-10)
13322	312156_1.R1040	zf-c3hc4(HMM:4.8e-12)
13323	16576_1.R1040	zf-c3hc4(HMM:4.9e-05)
13324	LIB3170-060-Q1-J1-A6	zf-c3hc4(HMM:4.9e-08)
13325	1065_1.R1040	zf-c3hc4(HMM:4e-06)
13326	307024_1.R1040	zf-c3hc4(HMM:4e-09)
13327	jC-gmro02910019e01d1	zf-c3hc4(HMM:5.3e-07)
13328	1886_5.R1040	zf-c3hc4(HMM:5.3e-10)
13329	1886_6.R1040	zf-c3hc4(HMM:5.3e-10)
13330	g4297795	zf-c3hc4(HMM:5.3e-10)
13331	jC-gmfl02220056d04a1	zf-c3hc4(HMM:5.3e-10)
13332	jC-gmro02910027e02d1	zf-c3hc4(HMM:5.4e-10)
13333	21464_1.R1040	zf-c3hc4(HMM:5.4e-12)
13334	21464_3.R1040	zf-c3hc4(HMM:5.4e-12)
13335	62774_1.R1040	zf-c3hc4(HMM:5.6e-09)
13336	29855_1.R1040	zf-c3hc4(HMM:5.6e-11)
13337	42176_1.R1040	zf-c3hc4(HMM:5.7e-10)
13338	151455_1.R1040	zf-c3hc4(HMM:5.8e-11)
13339	119_1.R1040	zf-c3hc4(HMM:5.9e-06)
13340	LIB3051-018-Q1-E1-H3	zf-c3hc4(HMM:5.9e-06)
13341	LIB3107-055-Q1-K1-B3	zf-c3hc4(HMM:5e-06)
13342	16079_1.R1040	zf-c3hc4(HMM:5e-08)
13343	44528_1.R1040	zf-c3hc4(HMM:5e-09)
13344	52214_1.R1040	zf-c3hc4(HMM:5e-09)
13345	g5342446	zf-c3hc4(HMM:5e-11)
13346	122966_1.R1040	zf-c3hc4(HMM:6.2e-12)
13347	21466_1.R1040	zf-c3hc4(HMM:6.5e-11)
13348	94016_1.R1040	zf-c3hc4(HMM:6.8e-12)
13349	1886_3.R1040	zf-c3hc4(HMM:6e-09)
13350	18729_1.R1040	zf-c3hc4(HMM:7.1e-08)
13351	g4301519	zf-c3hc4(HMM:7.3e-05)
13352	319071_1.R1040	zf-c3hc4(HMM:7.5e-10)
13353	30175_1.R1040	zf-c3hc4(HMM:7.5e-11)

13354	12520_4.R1040	zf-c3hc4(HMM:7e-09)
13355	5671_1.R1040	zf-c3hc4(HMM:8.1e-09)
13356	LIB3050-011-Q1-E1-F6	zf-c3hc4(HMM:8.2e-06)
13357	112674_1.R1040	zf-c3hc4(HMM:8.3e-09)
13358	4770_1.R1040	zf-c3hc4(HMM:8.3e-11)
13359	97285_1.R1040	zf-c3hc4(HMM:8.4e-05)
13360	214172_1.R1040	zf-c3hc4(HMM:8.4e-07)
13361	66923_1.R1040	zf-c3hc4(HMM:8.4e-09)
13362	8682_1.R1040	zf-c3hc4(HMM:8.5e-12)
13363	zhf700960331.h1	zf-c3hc4(HMM:8.8e-11)
13364	ncj700978144.h1	zf-c3hc4(HMM:8.8e-13)
13365	18266_1.R1040	zf-c3hc4(HMM:8e-11)
13366	29438_1.R1040	zf-c3hc4(HMM:9.2e-09)
13367	kl1701205779.h1	zf-c3hc4(HMM:9.5e-12)
13368	1991_1.R1040	zf-c3hc4(HMM:9e-08)
13369	eep700869601.h1	zf-c4(HMM:9.1)
13370	110971_1.R1040	zf-ccch(HMM:0.0001)
13371	330437_1.R1040	zf-ccch(HMM:0.00011)
13372	uC-gmropic107e04b1	zf-ccch(HMM:0.00025)
13373	213640_1.R1040	zf-ccch(HMM:0.00038)
13374	15044_1.R1040	zf-ccch(HMM:0.00083)
13375	LIB3053-009-Q1-N1-E8	zf-ccch(HMM:0.0054)
13376	uC-gmflminsoy001e01b1	zf-ccch(HMM:0.014)
13377	15648_1.R1040	zf-ccch(HMM:0.026)
13378	15648_3.R1040	zf-ccch(HMM:0.026)
13379	186475_1.R1040	zf-ccch(HMM:0.029)
13380	16414_1.R1040	zf-ccch(HMM:0.031)
13381	26396_2.R1040	zf-ccch(HMM:0.05)
13382	368716_1.R1040	zf-ccch(HMM:0.19)
13383	110971_2.R1040	zf-ccch(HMM:0.29)
13384	14949_1.R1040	zf-ccch(HMM:0.43)
13385	31427_2.R1040	zf-ccch(HMM:1.3)
13386	7073_2.R1040	zf-ccch(HMM:1.5)
13387	LIB3051-008-Q1-E1-F7	zf-ccch(HMM:1.5e-05)
13388	6089_1.R1040	zf-ccch(HMM:1.5e-17)
13389	LIB3138-129-Q1-N1-C11	zf-ccch(HMM:1.6e-05)
13390	2754_2.R1040	zf-ccch(HMM:1.6e-06)
13391	67728_1.R1040	zf-ccch(HMM:1.8e-08)
13392	jC-gmle01810064c12a1	zf-ccch(HMM:1.9e-05)
13393	142596_1.R1040	zf-ccch(HMM:2.3e-07)
13394	26396_1.R1040	zf-ccch(HMM:3.2e-12)
13395	2754_1.R1040	zf-ccch(HMM:3.9e-07)
13396	148660_1.R1040	zf-ccch(HMM:7.2e-08)
13397	88051_1.R1040	zf-ccch(HMM:8.1e-07)
13398	33317_1.R1040	zf-ccch(HMM:8.3e-06)
13399	111528_1.R1040	zf-ccch(HMM:9.8e-10)
13400	3147_2.R1040	zf-cchc(HMM:0.00011)
13401	LIB3106-067-P1-K1-D6	zf-cchc(HMM:0.00025)
13402	3147_1.R1040	zf-cchc(HMM:0.00039)
13403	g5688335	zf-cchc(HMM:0.0014)
13404	LIB3049-042-Q1-E1-G10	zf-cchc(HMM:0.0016)
13405	184628_1.R1040	zf-cchc(HMM:0.0023)
13406	156800_1.R1040	zf-cchc(HMM:0.0066)
13407	LIB3050-023-Q1-K1-D8	zf-cchc(HMM:0.02)

13408	ncj700986851.h1	zf-cchc(HMM:0.022)
13409	2466_5.R1040	zf-cchc(HMM:0.027)
13410	LIB3170-072-Q1-J1-F8	zf-cchc(HMM:0.041)
13411	91390_1.R1040	zf-cchc(HMM:0.069)
13412	leu701157077.h1	zf-cchc(HMM:0.32)
13413	127824_1.R1040	zf-cchc(HMM:0.37)
13414	8476_11.R1040	zf-cchc(HMM:0.86)
13415	13755_1.R1040	zf-cchc(HMM:1.2e-05)
13416	LIB3040-014-Q1-E1-E11	zf-cchc(HMM:1.2e-05)
13417	10030_1.R1040	zf-cchc(HMM:1.3e-05)
13418	jsh701070043.h2	zf-cchc(HMM:1.5e-06)
13419	20435_1.R1040	zf-cchc(HMM:1.7e-07)
13420	6411_1.R1040	zf-cchc(HMM:1.8e-05)
13421	15107_1.R1040	zf-cchc(HMM:1e-10)
13422	LIB3138-090-P1-N1-A10	zf-cchc(HMM:2.1e-09)
13423	52374_1.R1040	zf-cchc(HMM:2.5e-12)
13424	2466_2.R1040	zf-cchc(HMM:3.3e-05)
13425	8476_2.R1040	zf-cchc(HMM:3.7e-10)
13426	g4290253	zf-cchc(HMM:3e-10)
13427	16466_1.R1040	zf-cchc(HMM:4.3e-20)
13428	95363_1.R1040	zf-cchc(HMM:4.4e-19)
13429	V4L-02-Q1-E1-E2	zf-cchc(HMM:4.7e-06)
13430	7964_1.R1040	zf-cchc(HMM:4.9e-52)
13431	uaw700663647.h1	zf-cchc(HMM:5.6e-09)
13432	zsg701117332.h1	zf-cchc(HMM:8.1e-09)
13433	crh700853319.h1	zf-cchc(HMM:8.7e-06)
13434	42986_1.R1040	zf-cchc(HMM:9.6e-06)
13435	LIB3056-003-Q1-N1-G10	zf-constans(HMM:0.013)
13436	64010_1.R1040	zf-constans(HMM:0.048)
13437	102998_2.R1040	zf-constans(HMM:0.095)
13438	24889_1.R1040	zf-constans(HMM:1.3e-14)
13439	LIB3094-087-Q1-K1-A12	zf-constans(HMM:1.3e-20)
13440	130452_1.R1040	zf-constans(HMM:1.4e-15)
13441	ncj700980420.h1	zf-constans(HMM:1.9e-08)
13442	70306_1.R1040	zf-constans(HMM:1e-19)
13443	100881_2.R1040	zf-constans(HMM:2.1e-09)
13444	49610_1.R1040	zf-constans(HMM:2.1e-13)
13445	LIB3106-009-Q1-K1-C11	zf-constans(HMM:2.1e-20)
13446	42069_1.R1040	zf-constans(HMM:2.4e-15)
13447	32727_7.R1040	zf-constans(HMM:2.7e-08)
13448	80526_2.R1040	zf-constans(HMM:3.3e-07)
13449	32727_3.R1040	zf-constans(HMM:3e-38)
13450	g5058157	zf-constans(HMM:5.1e-09)
13451	4208_1.R1040	zf-constans(HMM:5.5e-25)
13452	LIB3138-069-P1-N1-A9	zf-constans(HMM:6.2e-06)
13453	LIB3139-008-P1-N1-E4	zf-constans(HMM:6e-07)
13454	76255_1.R1040	zf-constans(HMM:6e-14)
13455	LIB3028-010-Q1-B1-A12	zf-constans(HMM:6e-14)
13456	67827_1.R1040	zf-mynd(HMM:0.001)
13457	223931_1.R1040	zf-mynd(HMM:0.0012)
13458	7099_1.R1040	zf-mynd(HMM:0.0064)
13459	26944_1.R1040	zf-mynd(HMM:1.2e-16)
13460	104436_2.R1040	zf-mynd(HMM:1.4e-06)
13461	309351_1.R1040	zf-mynd(HMM:1.5e-12)

13462	g4313946	zf-mynd(HMM:4e-09)
13463	LIB3049-052-Q1-E1-H7	zf-mynd(HMM:5.7e-05)
13464	25556_1.R1040	zf-mynd(HMM:8.7e-13)
13465	104436_1.R1040	zf-mynd(HMM:8.8e-16)
13466	asn701142782.h1	zf-nf-x1(HMM:0.097)
13467	uC-gmrominsoy205g06b1	zf-nf-x1(HMM:1.7e-07)
13468	uC-gmronoir010e01b1	zn_clus(HMM:0.00075)
13469	LIB3139-105-P1-N1-G5	zn_clus(HMM:2.4e-07)
13470	151593_1.R1040	zz(HMM:0.001)
13471	113319_1.R1040	zz(HMM:0.095)
13472	zhf700960153.h1	zz(HMM:0.14)
13473	7196_1.R1040	zz(HMM:0.42)
13474	29741_1.R1040	zz(HMM:1.2e-09)
13475	85562_1.R1040	zz(HMM:3.3e-11)
13476	zsg701121630.h1	zz(HMM:5.7e-13)
13477	178742_1.R1040	zz(HMM:8.5e-09)
13478	4806_1.R1040	zz(HMM:8.7e-07)

13462 13463 13464 13465 13466 13467 13468 13469 13470 13471 13472 13473 13474 13475 13476 13477 13478

Table 9. Transcription factors from soy

SEQ NUM	SEQ ID	family/method/E-value
13479	LIB3170-033-Q1-K1-B1.f3	14-3-3(HMM:0.00015)
13480	ncj700977467.h1.f3	14-3-3(HMM:0.0022)
13481	391_2.R1040.f2	14-3-3(HMM:0.0023)
13482	LIB3040-008-Q1-E1-D4.f1	14-3-3(HMM:0.0024)
13483	LIB3094-060-Q1-K1-E2.f2	14-3-3(HMM:0.047)
13484	488_2.R1040.f3	14-3-3(HMM:0.14)
13485	gsv701044857.h1.f2	14-3-3(HMM:1.1e-21)
13486	LIB3092-003-Q1-K1-G11.f1	14-3-3(HMM:1.1e-31)
13487	jC-gmst02400020g07a1.f1	14-3-3(HMM:1.2e-05)
13488	pmv700891610.h1.f1	14-3-3(HMM:1.2e-14)
13489	g5688049.f2	14-3-3(HMM:1.3)
13490	1352_6.R1040.f3	14-3-3(HMM:1.5e-05)
13491	leu701149301.h1.f3	14-3-3(HMM:1.5e-05)
13492	LIB3094-060-Q1-K1-D9.f2	14-3-3(HMM:1.5e-07)
13493	LIB3051-101-Q1-K1-B10.f2	14-3-3(HMM:1.5e-11)
13494	1352_13.R1040.f1	14-3-3(HMM:1.5e-15)
13495	g4396037.f2	14-3-3(HMM:1.5e-18)
13496	jex700908750.h1.f2	14-3-3(HMM:1.6e-13)
13497	fC-gmst700661063a3.f2	14-3-3(HMM:1.7e-06)
13498	LIB3092-034-Q1-K1-F9.f2	14-3-3(HMM:1.7e-07)
13499	LIB3094-072-Q1-K1-C6.f2	14-3-3(HMM:1.7e-24)
13500	LIB3028-005-Q1-B1-B10.f2	14-3-3(HMM:1e-22)
13501	LIB3106-054-Q1-K1-A4.f3	14-3-3(HMM:2.1e-09)
13502	wvk700681984.h1.f2	14-3-3(HMM:2.2e-07)
13503	uC-gmflminsoy100a11b1.f1	14-3-3(HMM:2e-16)
13504	seb700654252.h1.f2	14-3-3(HMM:2e-23)
13505	hrw701063321.h1.f1	14-3-3(HMM:2e-26)
13506	vwf700673717.h1.f1	14-3-3(HMM:3.1e-06)
13507	LIB3094-073-Q1-K1-C4.f3	14-3-3(HMM:3.1e-10)
13508	vzy700755182.h1.f1	14-3-3(HMM:3.1e-24)
13509	leu701148161.h1.f3	14-3-3(HMM:3.4e-09)
13510	vzy700754077.h1.f3	14-3-3(HMM:3.4e-10)
13511	zsg701123836.h1.f1	14-3-3(HMM:3.4e-16)
13512	uaw700666294.h1.f2	14-3-3(HMM:3.5e-37)
13513	213_7.R1040.f4	14-3-3(HMM:3.9e-46)
13514	LIB3040-061-Q1-E1-D10.f3	14-3-3(HMM:4.2e-06)
13515	gsv701053255.h1.f3	14-3-3(HMM:4.2e-14)
13516	391_1.R1040.f1	14-3-3(HMM:4.2e-180)
13517	smc700748260.h1.f2	14-3-3(HMM:4.2e-25)
13518	zhf700956003.h1.f1	14-3-3(HMM:4.3)
13519	smc700746076.h1.f1	14-3-3(HMM:4.4e-09)
13520	213_5.R1040.f6	14-3-3(HMM:4.4e-16)
13521	uC-gmropic018h09b1.f1	14-3-3(HMM:5.4e-18)
13522	g5753155.f2	14-3-3(HMM:5.4e-32)
13523	pmv700889571.h1.f1	14-3-3(HMM:5.7e-24)
13524	seb700652419.h1.f2	14-3-3(HMM:6.3e-11)
13525	asn701139613.h1.f1	14-3-3(HMM:6.7e-20)
13526	jex700905495.h1.f1	14-3-3(HMM:6.7e-20)
13527	1352_4.R1040.f2	14-3-3(HMM:6.8e-28)
13528	zsg701123883.h1.f1	14-3-3(HMM:6e-15)
13529	114137_1.R1040.f3	14-3-3(HMM:6e-169)
13530	1352_2.R1040.f2	14-3-3(HMM:6e-181)

13585	185318_1.R1040.f2	ank(HMM:2.9e-21)
13586	102151_1.R1040.f3	ank(HMM:3.1e-41)
13587	155560_2.R1040.f2	ank(HMM:3.5e-15)
13588	192508_1.R1040.f3	ank(HMM:3.8e-06)
13589	10902_1.R1040.f3	ank(HMM:3.8e-08)
13590	27872_1.R1040.f1	ank(HMM:3.9e-20)
13591	4595_1.R1040.f2	ank(HMM:4.2e-08)
13592	LIB3109-053-Q1-K1-B5.f2	ank(HMM:4.4e-15)
13593	28488_1.R1040.f2	ank(HMM:4.7e-08)
13594	161435_1.R1040.f3	ank(HMM:4.9e-25)
13595	zsg701121545.h1.f2	ank(HMM:5.4e-10)
13596	42557_1.R1040.f2	ank(HMM:5e-11)
13597	LIB3107-079-Q1-K1-F6.f2	ank(HMM:6.6e-15)
13598	152077_1.R1040.f3	ank(HMM:6.7e-10)
13599	LIB3170-059-Q1-J1-C12.f5	ank(HMM:6.8e-08)
13600	88515_1.R1040.f6	ank(HMM:6.8e-19)
13601	1952_2.R1040.f1	ank(HMM:6.8e-43)
13602	811_1.R1040.f1	ank(HMM:6.9e-12)
13603	64539_1.R1040.f3	ank(HMM:7.2e-11)
13604	49612_1.R1040.f3	ank(HMM:7.8e-15)
13605	107998_1.R1040.f2	ank(HMM:8.5e-14)
13606	42804_1.R1040.f1	ank(HMM:8.6e-07)
13607	rca700998932.h1.f3	ank(HMM:8.7e-12)
13608	48688_1.R1040.f1	ank(HMM:8.8e-09)
13609	2420_1.R1040.f2	ank(HMM:8.8e-16)
13610	43163_1.R1040.f1	ank(HMM:9.3e-14)
13611	29901_1.R1040.f2	"ank(HMM:9.7e-08),btb(HMM:0.0079)"
13612	2989_1.R1040.f1	"ank(HMM:9.7e-08),btb(HMM:0.0079)"
13613	26379_1.R1040.f1	ank(HMM:9e-13)
13614	sat701013533.h1.f2	ap2-domain(HMM:0.00017)
13615	klf701208549.h1.f4	ap2-domain(HMM:0.00036)
13616	66501_1.R1040.f2	ap2-domain(HMM:0.00041)
13617	192611_1.R1040.f3	ap2-domain(HMM:0.00088)
13618	LIB3050-019-Q1-K1-B5.f1	ap2-domain(HMM:0.0022)
13619	25945_1.R1040.f2	ap2-domain(HMM:0.0025)
13620	jC-gmfl02220072c03a1.f2	ap2-domain(HMM:0.0031)
13621	zhf700963839.h1.f3	ap2-domain(HMM:0.0033)
13622	11571_2.R1040.f3	ap2-domain(HMM:0.0042)
13623	79348_2.R1040.f2	ap2-domain(HMM:0.0045)
13624	zpv700762317.h1.f1	ap2-domain(HMM:0.0056)
13625	uC-gmrominsoy273c02b1.f2	ap2-domain(HMM:0.009)
13626	1862_1.R1040.f1	ap2-domain(HMM:0.01)
13627	47336_1.R1040.f3	ap2-domain(HMM:0.019)
13628	38136_2.R1040.f1	ap2-domain(HMM:0.16)
13629	hyd700731193.h1.f3	ap2-domain(HMM:0.36)
13630	326823_1.R1040.f1	ap2-domain(HMM:0.39)
13631	jex700904559.h1.f2	ap2-domain(HMM:0.39)
13632	19313_2.R1040.f3	ap2-domain(HMM:0.44)
13633	177074_1.R1040.f1	ap2-domain(HMM:0.8)
13634	230382_1.R1040.f6	ap2-domain(HMM:0.88)
13635	smc700749507.h1.f1	ap2-domain(HMM:1.1)
13636	LIB3093-031-Q1-K1-D8.f1	ap2-domain(HMM:1.1e-08)

13637	1_1.R1040.f3	ap2-domain(HMM:1.1e-42)
13638	46661_1.R1040.f3	ap2-domain(HMM:1.1e-42)
13639	69857_1.R1040.f1	ap2-domain(HMM:1.2e-16)
13640	193678_1.R1040.f3	ap2-domain(HMM:1.2e-34)
13641	LIB3050-008-Q1-E1-F7.f1	ap2-domain(HMM:1.2e-38)
13642	195824_1.R1040.f2	ap2-domain(HMM:1.3e-22)
13643	dpy701102158.h1.f1	ap2-domain(HMM:1.3e-25)
13644	733_17.R1040.f3	ap2-domain(HMM:1.3e-37)
13645	1495_1.R1040.f3	ap2-domain(HMM:1.3e-40)
13646	19313_1.R1040.f2	ap2-domain(HMM:1.3e-41)
13647	253_1.R1040.f6	ap2-domain(HMM:1.4e-36)
13648	4947_1.R1040.f2	ap2-domain(HMM:1.4e-40)
13649	LIB3139-020-P1-N1-D12.f1	ap2-domain(HMM:1.5e-11)
13650	4575_4.R1040.f2	ap2-domain(HMM:1.5e-27)
13651	LIB3055-004-Q1-N1-D2.f1	ap2-domain(HMM:1.5e-28)
13652	1495_2.R1040.f3	ap2-domain(HMM:1.5e-40)
13653	kl1701207375.h1.f3	ap2-domain(HMM:1.6e-11)
13654	gsv701054134.h1.f1	ap2-domain(HMM:1.7e-18)
13655	293335_1.R1040.f3	ap2-domain(HMM:1.7e-30)
13656	18006_1.R1040.f3	ap2-domain(HMM:1.7e-37)
13657	6007_1.R1040.f1	ap2-domain(HMM:1.7e-62)
13658	213082_1.R1040.f1	ap2-domain(HMM:1.8e-30)
13659	116814_1.R1040.f2	ap2-domain(HMM:1.8e-35)
13660	50908_2.R1040.f1	ap2-domain(HMM:1.8e-38)
13661	314831_1.R1040.f2	ap2-domain(HMM:1.9e-06)
13662	31846_2.R1040.f2	ap2-domain(HMM:1.9e-34)
13663	LIB3106-046-Q1-K1-E9.f3	ap2-domain(HMM:1e-24)
13664	65229_1.R1040.f3	ap2-domain(HMM:2.1e-16)
13665	LIB3139-106-P1-N1-D11.f1	ap2-domain(HMM:2.1e-29)
13666	63521_1.R1040.f1	ap2-domain(HMM:2.1e-34)
13667	18207_1.R1040.f1	ap2-domain(HMM:2.1e-38)
13668	207_1.R1040.f4	ap2-domain(HMM:2.1e-38)
13669	84428_1.R1040.f1	ap2-domain(HMM:2.1e-38)
13670	uC-gmrominsoy318d12b1.f5	ap2-domain(HMM:2.2e-19)
13671	jC-gmst02400014h03a1.f3	ap2-domain(HMM:2.2e-32)
13672	42548_1.R1040.f1	ap2-domain(HMM:2.2e-39)
13673	118859_1.R1040.f3	ap2-domain(HMM:2.3e-35)
13674	24098_1.R1040.f3	ap2-domain(HMM:2.3e-36)
13675	4575_1.R1040.f3	ap2-domain(HMM:2.3e-40)
13676	43102_1.R1040.f2	ap2-domain(HMM:2.4e-29)
13677	cle700967818.h1.f2	ap2-domain(HMM:2.5)
13678	5104_2.R1040.f3	ap2-domain(HMM:2.5e-29)
13679	79348_1.R1040.f2	ap2-domain(HMM:2.5e-36)
13680	1_2.R1040.f2	ap2-domain(HMM:2.6e-38)
13681	15301_2.R1040.f1	ap2-domain(HMM:2.6e-38)
13682	15301_1.R1040.f2	ap2-domain(HMM:2.7e-40)
13683	jC-gmle01810054h06a1.f2	ap2-domain(HMM:2.7e-40)
13684	125403_1.R1040.f2	ap2-domain(HMM:2.7e-41)
13685	LIB3106-057-Q1-K1-E2.f3	ap2-domain(HMM:2.9)
13686	224379_1.R1040.f2	ap2-domain(HMM:2e-28)
13687	g4283446.f1	ap2-domain(HMM:2e-30)
13688	LIB3139-034-P1-N1-E11.f1	ap2-domain(HMM:2e-31)
13689	pxt700943089.h1.f2	ap2-domain(HMM:3.2e-17)
13690	1600_1.R1040.f2	ap2-domain(HMM:3.2e-40)

13691	uC-gmflminsoy063h08b1.f3	ap2-domain(HMM:3.3)
13692	2450_14.R1040.f2	ap2-domain(HMM:3.3e-11)
13693	34631_1.R1040.f2	ap2-domain(HMM:3.5e-14)
13694	11571_1.R1040.f3	ap2-domain(HMM:3.5e-24)
13695	uC-gmrominsoy223h06b1.f2	ap2-domain(HMM:3.5e-25)
13696	117623_1.R1040.f2	ap2-domain(HMM:3.5e-34)
13697	kl1701209443.h1.f3	ap2-domain(HMM:3.6e-33)
13698	zsg701123296.h1.f3	ap2-domain(HMM:3.6e-39)
13699	213537_1.R1040.f1	ap2-domain(HMM:3.7e-08)
13700	LIB3139-073-P1-N1-F5.f1	ap2-domain(HMM:3.7e-32)
13701	42990_1.R1040.f2	ap2-domain(HMM:3.7e-40)
13702	1495_3.R1040.f3	ap2-domain(HMM:3.9e-39)
13703	asn701135882.h1.f3	ap2-domain(HMM:3e-26)
13704	122505_1.R1040.f1	ap2-domain(HMM:3e-36)
13705	286_1.R1040.f4	ap2-domain(HMM:3e-64)
13706	147410_1.R1040.f2	ap2-domain(HMM:4.2e-23)
13707	1409_1.R1040.f3	ap2-domain(HMM:4.2e-33)
13708	6295_1.R1040.f3	ap2-domain(HMM:4.2e-38)
13709	pcp700993575.h1.f1	ap2-domain(HMM:4.3e-26)
13710	2_1.R1040.f3	ap2-domain(HMM:4.4e-39)
13711	26582_1.R1040.f1	ap2-domain(HMM:4.4e-39)
13712	6400_1.R1040.f3	ap2-domain(HMM:4.5e-36)
13713	46251_1.R1040.f1	ap2-domain(HMM:4.6e-37)
13714	asn701140084.h1.f3	ap2-domain(HMM:4.7e-06)
13715	47329_1.R1040.f1	ap2-domain(HMM:4.8e-16)
13716	341417_1.R1040.f3	ap2-domain(HMM:4.8e-25)
13717	31846_1.R1040.f2	ap2-domain(HMM:4.9e-34)
13718	jC-gmle01810085a01a1.f2	ap2-domain(HMM:4e-31)
13719	zhf700951736.h1.f1	ap2-domain(HMM:5.2e-38)
13720	hrw701060463.h1.f3	ap2-domain(HMM:5.3e-34)
13721	1409_2.R1040.f2	ap2-domain(HMM:5.4e-32)
13722	332916_1.R1040.f3	ap2-domain(HMM:5.4e-37)
13723	110705_1.R1040.f3	ap2-domain(HMM:5.4e-39)
13724	58134_1.R1040.f1	ap2-domain(HMM:5.7e-21)
13725	23679_1.R1040.f3	ap2-domain(HMM:5.9e-39)
13726	4575_3.R1040.f2	ap2-domain(HMM:5e-20)
13727	5308_1.R1040.f3	ap2-domain(HMM:5e-40)
13728	5308_2.R1040.f3	ap2-domain(HMM:5e-40)
13729	gsv701053807.h1.f2	ap2-domain(HMM:6.1e-30)
13730	46538_1.R1040.f3	ap2-domain(HMM:6.4e-32)
13731	79938_1.R1040.f3	ap2-domain(HMM:6.4e-37)
13732	1600_2.R1040.f3	ap2-domain(HMM:6.5e-41)
13733	43102_2.R1040.f2	ap2-domain(HMM:6.7e-31)
13734	2450_5.R1040.f3	ap2-domain(HMM:6.7e-40)
13735	219031_1.R1040.f2	ap2-domain(HMM:6.9e-18)
13736	6295_2.R1040.f2	ap2-domain(HMM:6e-26)
13737	34051_1.R1040.f2	ap2-domain(HMM:6e-29)
13738	jC-gmro02910014e07a1.f3	ap2-domain(HMM:6e-32)
13739	114348_1.R1040.f1	ap2-domain(HMM:6e-41)
13740	eep700868056.h1.f2	ap2-domain(HMM:7.1e-05)
13741	LIB3050-020-Q1-K1-A1.f2	ap2-domain(HMM:7.1e-40)
13742	3957_1.R1040.f3	ap2-domain(HMM:7.1e-41)
13743	3957_2.R1040.f3	ap2-domain(HMM:7.1e-41)
13744	1409_5.R1040.f2	ap2-domain(HMM:7.3e-05)

13745	47228_1.R1040.f2	ap2-domain(HMM:7.4e-62)
13746	5104_1.R1040.f2	ap2-domain(HMM:7.5e-38)
13747	2450_11.R1040.f1	ap2-domain(HMM:7.6e-40)
13748	rlr700896269.h1.f2	ap2-domain(HMM:7.7e-05)
13749	zhf700954822.h1.f3	ap2-domain(HMM:7e-11)
13750	LIB3138-082-P1-N1-G11.f1	ap2-domain(HMM:7e-43)
13751	48528_1.R1040.f3	ap2-domain(HMM:8.1e-05)
13752	47336_3.R1040.f2	ap2-domain(HMM:8.1e-13)
13753	44265_1.R1040.f1	ap2-domain(HMM:8.2e-41)
13754	44666_1.R1040.f3	ap2-domain(HMM:8.2e-41)
13755	15329_1.R1040.f3	ap2-domain(HMM:8.4e-39)
13756	asn701139603.h1.f1	ap2-domain(HMM:8.5)
13757	1489_1.R1040.f1	ap2-domain(HMM:8.5e-41)
13758	1489_2.R1040.f3	ap2-domain(HMM:8.5e-41)
13759	274_1.R1040.f5	ap2-domain(HMM:8.6e-42)
13760	20672_1.R1040.f3	ap2-domain(HMM:8.7e-20)
13761	sat701012510.h1.f2	ap2-domain(HMM:8.7e-31)
13762	21492_1.R1040.f1	ap2-domain(HMM:8.8e-18)
13763	270136_1.R1040.f3	ap2-domain(HMM:8.9e-33)
13764	212_1.R1040.f2	ap2-domain(HMM:9.1e-34)
13765	32848_1.R1040.f2	ap2-domain(HMM:9.1e-40)
13766	6948_1.R1040.f1	ap2-domain(HMM:9.3e-37)
13767	2450_4.R1040.f3	ap2-domain(HMM:9.6e-40)
13768	50908_1.R1040.f3	ap2-domain(HMM:9.9e-39)
13769	kl1701209890.h1.f3	ap2-domain(HMM:9e-38)
13770	15329_2.R1040.f2	ap2-domain(HMM:9e-39)
13771	LIB3109-015-Q1-K1-G9.f3	arf(HMM:0.00037)
13772	zhf700960825.h1.f2	"arf(HMM:0.00049),b3(HMM:5e-05)"
13773	38136_3.R1040.f2	"arf(HMM:0.00059),b3(HMM:6.8e-41)"
13774	uC-gmropic022d12b1.f2	arf(HMM:0.00072)
13775	LIB3093-002-Q1-K1-F7.f3	arf(HMM:0.0008)
13776	zpz700834194.h1.f1	"arf(HMM:0.00094),b3(HMM:1.8e-14)"
13777	3137_3.R1040.f1	arf(HMM:0.054)
13778	leu701152936.h1.f1	"arf(HMM:0.12),b3(HMM:0.59)"
13779	eep700870331.h1.f2	"arf(HMM:0.29),b3(HMM:1.4e-16)"
13780	110702_1.R1040.f1	arf(HMM:0.31)
13781	15353_1.R1040.f1	arf(HMM:1.1e-08)
13782	116829_1.R1040.f2	arf(HMM:1.2e-08)
13783	148191_1.R1040.f1	arf(HMM:1.3)
13784	vwf700678824.h1.f3	arf(HMM:1.3e-07)
13785	ncj700981181.h1.f1	arf(HMM:1.3e-18)
13786	trc700566829.h1.f2	arf(HMM:1.4e-08)
13787	LIB3055-001-Q1-B1-B1.f2	arf(HMM:1.4e-25)
13788	3137_2.R1040.f3	"arf(HMM:1.4e-61),b3(HMM:5.5e-23)"
13789	uC-gmflminsoy022c02b1.f3	arf(HMM:1.5)
13790	3137_1.R1040.f2	"arf(HMM:1.7e-166),b3(HMM:2.3e-60)"
13791	jC-gmfl02220082g03d1.f3	"arf(HMM:1.8),b3(HMM:5.4e-11)"

13792	jC-gmfl02220089g07a1.f2	"arf(HMM:2.1e-10),b3(HMM:1.5e-14)"
13793	leu701155410.h1.f3	arf(HMM:2.2)
13794	212197_1.R1040.f1	arf(HMM:2.2e-06)
13795	uC-gmrominsoy047b05b1.f1	arf(HMM:2.3e-05)
13796	g5510202.f1	"arf(HMM:2.4e-07),b3(HMM:2.3e-10)"
13797	uC-gmropic005h09b1.f1	arf(HMM:2.6e-39)
13798	101468_1.R1040.f3	arf(HMM:2.7e-15)
13799	txt700733055.h1.f2	"arf(HMM:2.9e-05),b3(HMM:0.00015)"
13800	3472_1.R1040.f1	"arf(HMM:2.9e-187),b3(HMM:4.8e-54),iaa(HMM:2.5e-39)"
13801	378384_1.R1040.f2	arf(HMM:2e-19)
13802	82885_1.R1040.f2	arf(HMM:2e-19)
13803	18865_1.R1040.f1	arf(HMM:2e-31)
13804	68059_1.R1040.f3	arf(HMM:3.3e-17)
13805	sat701011201.h1.f2	"arf(HMM:3.6e-07),b3(HMM:0.00019)"
13806	g4306688.f3	"arf(HMM:3.8e-16),b3(HMM:1.5e-07)"
13807	uC-gmropic034b09b1.f2	arf(HMM:3.9e-09)
13808	xzm700763862.h1.f3	arf(HMM:3e-07)
13809	ncj700981106.h1.f2	arf(HMM:4.3e-20)
13810	218459_1.R1040.f2	arf(HMM:4.4e-13)
13811	22209_1.R1040.f3	"arf(HMM:4.9),iaa(HMM:2.8e-36)"
13812	ek1700968235.h1.f3	"arf(HMM:4.9e-26),b3(HMM:0.29)"
13813	16506_1.R1040.f1	arf(HMM:4e-05)
13814	63154_1.R1040.f3	arf(HMM:6.4e-20)
13815	172453_1.R1040.f3	arf(HMM:6e-15)
13816	uC-gmrominsoy315f07b1.f3	arf(HMM:6e-23)
13817	uC-gmrominsoy313f09b1.f3	"arf(HMM:7.3e-05),b3(HMM:1.7e-28)"
13818	65621_1.R1040.f2	"arf(HMM:7.3e-05),iaa(HMM:6.1e-36)"
13819	135549_1.R1040.f2	arf(HMM:7.9e-17)
13820	jex700909695.h1.f2	arf(HMM:8.3e-23)
13821	LIB3109-001-Q1-K1-C2.f3	"arf(HMM:9.7e-15),b3(HMM:5.6e-25)"
13822	uxk700672851.h1.f2	arf(HMM:9.8e-08)
13823	158599_1.R1040.f1	arf(HMM:9.8e-35)
13824	uC-gmronoir046b05b1.f3	"arf(HMM:9.9e-19),b3(HMM:1.8e-22)"
13825	wrg700786710.h2.f2	arid(HMM:0.00069)
13826	223889_1.R1040.f2	arid(HMM:0.0081)
13827	4845_1.R1040.f1	arid(HMM:0.011)
13828	136619_1.R1040.f2	arid(HMM:2.2e-06)
13829	136619_2.R1040.f1	arid(HMM:3.4)
13830	214623_1.R1040.f3	arid(HMM:5.8e-11)
13831	205088_1.R1040.f1	arid(HMM:8.6)
13832	nci700982935.h1.f2	athook(HMM:0.023)

13833	g4437059.f2	athook(HMM:0.029)
13834	332814_1.R1040.f3	b3(HMM:0.00013)
13835	299404_1.R1040.f2	b3(HMM:1.7e-64)
13836	uxk700668877.h1.f3	b3(HMM:2.1e-07)
13837	120032_1.R1040.f3	b3(HMM:3.7e-66)
13838	zvp700764284.h1.f2	b3(HMM:3e-13)
13839	txt700737102.h1.f3	b3(HMM:5.1e-08)
13840	24842_1.R1040.f2	bah(HMM:0.00022)
13841	epx701103702.h1.f1	bah(HMM:0.00037)
13842	43673_2.R1040.f2	bah(HMM:0.002)
13843	kl1701203247.h1.f1	bah(HMM:1.1e-07)
13844	4392_1.R1040.f2	"bah(HMM:1.1e-39),phd(HMM:2.5e-05)"
13845	358918_1.R1040.f1	bah(HMM:1.3e-07)
13846	59235_1.R1040.f2	"bah(HMM:1.7e-38),phd(HMM:5.7e-12)"
13847	jC-gmfl02220061f06a1.f3	bah(HMM:1.9e-14)
13848	137966_1.R1040.f2	bah(HMM:2.4e-10)
13849	23398_1.R1040.f3	bah(HMM:5.5e-23)
13850	43673_1.R1040.f3	bah(HMM:7.6e-23)
13851	LIB3051-009-Q1-E1-A6.f3	bpf-1(HMM:0.0039)
13852	pxt700944554.h1.f2	bpf-1(HMM:1.5e-14)
13853	322857_1.R1040.f5	bpf-1(HMM:2.2e-15)
13854	jC-gmfl02220071d10a1.f3	bpf-1(HMM:2.2e-20)
13855	eep700865834.h1.f3	bpf-1(HMM:2e-16)
13856	kl1701213520.h1.f3	bpf-1(HMM:2e-49)
13857	jC-gmro02910008g09a1.f2	bpf-1(HMM:2e-53)
13858	149339_1.R1040.f1	bpf-1(HMM:3.2e-16)
13859	2577_1.R1040.f2	bpf-1(HMM:3e-101)
13860	47866_1.R1040.f1	"bpf-1(HMM:4.8e-09),myb_dna-binding(HMM:0.045)"
13861	27100_1.R1040.f3	bpf-1(HMM:5.3e-05)
13862	27754_1.R1040.f2	bpf-1(HMM:5.6e-06)
13863	hrw701063373.h1.f3	bpf-1(HMM:6.6e-14)
13864	26870_1.R1040.f2	bpf-1(HMM:6.7e-06)
13865	250806_1.R1040.f3	bromodomain(HMM:0.00042)
13866	sat701014987.h1.f2	bromodomain(HMM:0.002)
13867	fua701039095.h1.f1	bromodomain(HMM:0.0044)
13868	6361_1.R1040.f3	bromodomain(HMM:0.0047)
13869	jC-gmst02400067f07d1.f4	bromodomain(HMM:0.078)
13870	LIB3051-084-Q1-K1-H7.f2	bromodomain(HMM:0.34)
13871	46082_1.R1040.f1	bromodomain(HMM:1.3e-05)
13872	5611_1.R1040.f1	bromodomain(HMM:2.2e-25)
13873	19322_1.R1040.f3	bromodomain(HMM:2.5e-33)
13874	330421_1.R1040.f1	bromodomain(HMM:2.8e-11)
13875	32930_1.R1040.f2	bromodomain(HMM:2.9e-22)
13876	g4295717.f2	bromodomain(HMM:4.5e-20)
13877	jC-gmro02800033a08a1.f3	bromodomain(HMM:8.4)
13878	121490_1.R1040.f2	bromodomain(HMM:9e-06)
13879	uC-gmropic106h11b1.f2	btb(HMM:0.00057)
13880	LIB3056-012-Q1-N1-E9.f1	btb(HMM:0.00069)
13881	2639_1.R1040.f1	btb(HMM:0.00077)
13882	71950_1.R1040.f3	btb(HMM:0.0016)
13883	kmv700742778.h1.f1	btb(HMM:0.0039)

13938	g4303675.f4	bzip(HMM:3.6e-07)
13939	149_1.R1040.f3	bzip(HMM:3.8e-11)
13940	2085_3.R1040.f1	bzip(HMM:3.8e-14)
13941	758_5.R1040.f3	bzip(HMM:3e-05)
13942	618_1.R1040.f3	bzip(HMM:5.1e-07)
13943	seb700651877.h1.f2	bzip(HMM:5.3e-11)
13944	LIB3138-011-Q1-N1-D6.f2	bzip(HMM:5.7e-08)
13945	758_1.R1040.f2	bzip(HMM:6.1e-17)
13946	758_2.R1040.f1	bzip(HMM:6.1e-17)
13947	23329_1.R1040.f2	bzip(HMM:6.2e-06)
13948	82120_1.R1040.f3	bzip(HMM:6.5e-13)
13949	1949_1.R1040.f1	bzip(HMM:9.1e-09)
13950	182497_1.R1040.f2	bzip(HMM:9.1e-24)
13951	544_1.R1040.f3	bzip(HMM:9.9e-22)
13952	23829_2.R1040.f3	cbfd_nfyb_hmf(HMM:0.0065)
13953	12708_1.R1040.f2	cbfd_nfyb_hmf(HMM:0.057)
13954	jC-gmro02910071g08a1.f6	cbfd_nfyb_hmf(HMM:0.23)
13955	6HA-01-Q1-B1-F10.f3	cbfd_nfyb_hmf(HMM:1.1e-08)
13956	3281_5.R1040.f1	cbfd_nfyb_hmf(HMM:1.1e-29)
13957	64072_1.R1040.f3	cbfd_nfyb_hmf(HMM:1.3e-29)
13958	zsg701125040.h1.f1	cbfd_nfyb_hmf(HMM:1.4e-16)
13959	3281_6.R1040.f3	cbfd_nfyb_hmf(HMM:1.6e-15)
13960	31567_2.R1040.f2	cbfd_nfyb_hmf(HMM:1.7e-38)
13961	11427_1.R1040.f2	cbfd_nfyb_hmf(HMM:1.8e-22)
13962	230_1.R1040.f3	cbfd_nfyb_hmf(HMM:1.8e-22)
13963	31567_1.R1040.f1	cbfd_nfyb_hmf(HMM:1.8e-38)
13964	127476_1.R1040.f1	cbfd_nfyb_hmf(HMM:3.9e-09)
13965	14105_1.R1040.f2	cbfd_nfyb_hmf(HMM:3e-08)
13966	24922_1.R1040.f3	cbfd_nfyb_hmf(HMM:4.2e-21)
13967	100936_1.R1040.f2	cbfd_nfyb_hmf(HMM:4.7e-39)
13968	gsv701043716.h1.f3	cbfd_nfyb_hmf(HMM:4e-06)
13969	11513_2.R1040.f3	cbfd_nfyb_hmf(HMM:5.4e-26)
13970	23829_1.R1040.f1	cbfd_nfyb_hmf(HMM:5.5e-38)
13971	79176_1.R1040.f1	cbfd_nfyb_hmf(HMM:5.6e-16)
13972	106291_1.R1040.f3	cbfd_nfyb_hmf(HMM:5.7)
13973	11513_1.R1040.f1	cbfd_nfyb_hmf(HMM:6.9e-37)
13974	31567_3.R1040.f2	cbfd_nfyb_hmf(HMM:8.6e-19)
13975	LIB3106-112-Q1-K1-F10.f2	cbfd_nfyb_hmf(HMM:9.5e-07)
13976	uC-gmropic065e01b1.f2	chromo(HMM:0.00066)
13977	LIB3039-003-Q1-E1-D1.f2	chromo(HMM:0.018)
13978	47441_1.R1040.f3	"chromo(HMM:0.21),snf2_n(HMM:2.7e-07)"
13979	47336_4.R1040.f1	"chromo(HMM:0.21),snf2_n(HMM:2.7e-07)"
13980	295413_1.R1040.f2	chromo(HMM:1.1e-16)
13981	jC-gmle01810043d11d1.f4	chromo(HMM:3.1e-09)
13982	10517_1.R1040.f1	chromo(HMM:4e-17)
13983	vzy700756037.h1.f3	csd(HMM:0.057)
13984	4999_1.R1040.f2	csd(HMM:1.3e-23)
13985	LIB3106-022-Q1-K1-F7.f3	csd(HMM:2.7e-22)
13986	82711_1.R1040.f2	csd(HMM:2e-17)
13987	LIB3051-101-Q1-K1-H12.f2	csd(HMM:5.9e-05)
13988	893_5.R1040.f2	csd(HMM:6.7e-22)
13989	282180_1.R1040.f2	dof(HMM:0.0033)

13990	208892_1.R1040.f1	dof(HMM:0.0054)
13991	jC-gmst02400069b11a1.f3	dof(HMM:0.0071)
13992	asn701139073.h1.f1	dof(HMM:0.038)
13993	gsv701046954.h1.f3	dof(HMM:0.69)
13994	1984_1.R1040.f2	dof(HMM:1.1e-16)
13995	sat701013157.h1.f2	dof(HMM:1.2e-05)
13996	182948_1.R1040.f2	dof(HMM:1.4)
13997	9004_1.R1040.f3	dof(HMM:1.4e-35)
13998	LIB3109-022-Q1-K1-B12.f3	dof(HMM:1.4e-35)
13999	hrw701060018.h2.f2	dof(HMM:2.4e-07)
14000	18615_4.R1040.f1	dof(HMM:2.4e-34)
14001	18615_1.R1040.f2	dof(HMM:2.6e-36)
14002	18615_3.R1040.f3	dof(HMM:2.6e-36)
14003	250229_1.R1040.f3	dof(HMM:2.6e-36)
14004	LIB3093-022-Q1-K1-E8.f3	dof(HMM:2.6e-36)
14005	wvk700685541.h1.f3	dof(HMM:2.6e-36)
14006	187882_1.R1040.f2	dof(HMM:2.7e-31)
14007	jC-gmfl02220146e12a1.f3	dof(HMM:2.9e-35)
14008	32495_1.R1040.f1	dof(HMM:2e-26)
14009	165353_1.R1040.f3	dof(HMM:3.1e-35)
14010	327999_1.R1040.f2	dof(HMM:3.4e-11)
14011	kl1701212455.h1.f3	dof(HMM:3.6e-35)
14012	107719_1.R1040.f3	dof(HMM:3.7)
14013	wvk700685338.h1.f1	dof(HMM:3.8e-35)
14014	48315_1.R1040.f3	dof(HMM:3.8e-37)
14015	65649_1.R1040.f2	dof(HMM:3.8e-37)
14016	171388_1.R1040.f2	dof(HMM:3.9e-32)
14017	LIB3139-100-P1-N1-D12.f1	dof(HMM:6.3e-05)
14018	g4291469.f1	dof(HMM:6.5e-10)
14019	192599_1.R1040.f2	dof(HMM:6.7e-37)
14020	uC-gmrominsoy244h03b1.f1	dof(HMM:7.3e-08)
14021	g5606389.f2	dof(HMM:7.4e-35)
14022	LIB3109-052-Q1-K1-B9.f2	dof(HMM:7.9e-34)
14023	xpa700794770.h1.f3	dpb(HMM:0.00025)
14024	zsg701117609.h1.f1	dpb(HMM:0.00033)
14025	LIB3051-032-Q1-K1-H11.f3	dpb(HMM:0.00037)
14026	g4276934.f4	dpb(HMM:0.0012)
14027	130066_1.R1040.f3	dpb(HMM:1.1e-78)
14028	uxk700671307.h1.f1	dpb(HMM:1.2e-07)
14029	1296_2.R1040.f2	dpb(HMM:1.3e-18)
14030	2270_2.R1040.f2	dpb(HMM:1.8e-40)
14031	jC-gmfl02220065g11a1.f3	dpb(HMM:2e-07)
14032	98902_1.R1040.f3	dpb(HMM:3e-05)
14033	231881_1.R1040.f3	dpb(HMM:5.9e-17)
14034	5042_1.R1040.f1	dpb(HMM:8.3e-77)
14035	awf700843332.h1.f2	dpb(HMM:9.7e-17)
14036	19648_1.R1040.f3	enbp(HMM:0.0009)
14037	19648_2.R1040.f3	enbp(HMM:0.0056)
14038	192903_1.R1040.f3	enbp(HMM:0.17)
14039	206874_1.R1040.f3	enbp(HMM:1.2e-15)
14040	g5057523.f3	enbp(HMM:1.2e-28)
14041	LIB3051-035-Q1-K1-F2.f1	enbp(HMM:1.3e-08)
14042	LIB3139-086-P1-N1-A7.f2	enbp(HMM:1.7e-09)
14043	64865_2.R1040.f3	enbp(HMM:2.7e-59)

14044	LIB3051-022-Q1-K1-H5.f3	enbp(HMM:2e-10)
14045	64865_3.R1040.f1	enbp(HMM:4.8e-05)
14046	LIB3055-002-Q1-B1-D12.f2	enbp(HMM:4e-24)
14047	34604_1.R1040.f3	enbp(HMM:5.4e-07)
14048	crh700853030.h1.f3	enbp(HMM:6e-19)
14049	105630_1.R1040.f2	enbp(HMM:9.8e-86)
14050	179349_1.R1040.f2	gata(HMM:0.085)
14051	crh700852220.h1.f1	gata(HMM:0.38)
14052	jex700904885.h1.f3	gata(HMM:0.55)
14053	72433_1.R1040.f1	gata(HMM:1.1)
14054	99664_1.R1040.f5	gata(HMM:1.1e-14)
14055	43595_1.R1040.f3	gata(HMM:1.2e-13)
14056	ncj700984309.h1.f3	gata(HMM:1.3)
14057	vwf700678225.h1.f3	gata(HMM:1.6e-06)
14058	25969_2.R1040.f3	gata(HMM:1.7e-11)
14059	rca700999496.h1.f2	gata(HMM:2.2e-16)
14060	33174_1.R1040.f2	gata(HMM:2.6e-09)
14061	15086_1.R1040.f2	gata(HMM:2.9e-10)
14062	43595_3.R1040.f2	gata(HMM:3.3e-12)
14063	27769_3.R1040.f2	gata(HMM:3.7e-14)
14064	264_1.R1040.f4	gata(HMM:4.4e-15)
14065	81690_1.R1040.f2	gata(HMM:4.7e-15)
14066	27769_2.R1040.f1	gata(HMM:4.8e-14)
14067	25969_1.R1040.f1	gata(HMM:5.7e-16)
14068	118539_1.R1040.f2	gata(HMM:7.5e-12)
14069	LIB3107-067-Q1-K1-B12.f2	gata(HMM:9.1e-13)
14070	12730_2.R1040.f2	gld-tea(HMM:0.00012)
14071	18378_1.R1040.f2	gld-tea(HMM:0.0006)
14072	54671_1.R1040.f1	gld-tea(HMM:0.0014)
14073	123635_1.R1040.f1	gld-tea(HMM:0.0059)
14074	LIB3139-043-P1-N1-G4.f1	gld-tea(HMM:0.024)
14075	LIB3092-044-Q1-K1-A2.f2	gld-tea(HMM:0.12)
14076	67626_2.R1040.f2	gld-tea(HMM:0.15)
14077	pmv700894234.h1.f2	gld-tea(HMM:0.36)
14078	jC-gmro02910051d04a1.f3	gld-tea(HMM:0.59)
14079	jC-gmro02910037d06a1.f2	gld-tea(HMM:0.81)
14080	64718_1.R1040.f3	gld-tea(HMM:1.2e-26)
14081	jex700909505.h1.f1	gld-tea(HMM:1.3e-12)
14082	166976_1.R1040.f1	gld-tea(HMM:1.3e-41)
14083	LIB3138-033-Q1-N1-F9.f1	gld-tea(HMM:1.4e-29)
14084	jC-gmst02400061g07a1.f1	gld-tea(HMM:1.7e-39)
14085	117488_1.R1040.f3	gld-tea(HMM:1.8e-37)
14086	7634_1.R1040.f1	gld-tea(HMM:1.9e-21)
14087	29924_1.R1040.f1	gld-tea(HMM:2.1e-30)
14088	2989_2.R1040.f2	gld-tea(HMM:2.1e-30)
14089	smc700748756.h1.f3	gld-tea(HMM:2.2e-32)
14090	148015_1.R1040.f2	gld-tea(HMM:2.3e-28)
14091	33791_1.R1040.f3	gld-tea(HMM:2.3e-33)
14092	33791_2.R1040.f2	gld-tea(HMM:2.3e-33)
14093	jC-gmro02800038h07a1.f3	gld-tea(HMM:2.4e-19)
14094	70088_1.R1040.f2	gld-tea(HMM:2.9e-25)
14095	taw700657234.h1.f1	gld-tea(HMM:2e-31)
14096	sat701008362.h1.f2	gld-tea(HMM:3.2e-17)
14097	uaw700661263.h1.f2	gld-tea(HMM:3.6e-06)

14098	68701_1.R1040.f2	"gld-tea(HMM:3.9e-12),response_reg(HMM:0.00012)"
14099	LIB3139-043-P1-N1-G10.f3	gld-tea(HMM:4.7e-38)
14100	12730_1.R1040.f2	gld-tea(HMM:5.1e-25)
14101	LIB3028-002-Q1-B1-G9.f3	gld-tea(HMM:5.2e-05)
14102	jC-gmle01810092f09a1.f2	gld-tea(HMM:5.2e-42)
14103	113353_1.R1040.f1	gld-tea(HMM:5.3e-36)
14104	4310_1.R1040.f1	gld-tea(HMM:6.4e-26)
14105	67626_1.R1040.f1	gld-tea(HMM:6.7e-31)
14106	uxk700667772.h1.f2	gld-tea(HMM:6.8e-28)
14107	xpa700795271.h1.f2	gld-tea(HMM:7.4e-20)
14108	29924_3.R1040.f3	gld-tea(HMM:8.2e-10)
14109	160524_1.R1040.f1	gld-tea(HMM:8.3e-38)
14110	pcp700988978.h1.f3	hhh(HMM:0.0037)
14111	136307_1.R1040.f1	hhh(HMM:1e-07)
14112	4163_1.R1040.f3	hhh(HMM:2.1e-05)
14113	pmv700894372.h1.f2	hist_deacetyl(HMM:0.0034)
14114	142885_1.R1040.f2	hist_deacetyl(HMM:0.018)
14115	LIB3170-025-Q1-J1-C9.f6	hist_deacetyl(HMM:0.096)
14116	148877_1.R1040.f1	hist_deacetyl(HMM:2.1e-05)
14117	153326_1.R1040.f2	hist_deacetyl(HMM:2.1e-05)
14118	122767_1.R1040.f1	hist_deacetyl(HMM:2.1e-13)
14119	124846_1.R1040.f1	hist_deacetyl(HMM:2.2e-23)
14120	62823_1.R1040.f2	hist_deacetyl(HMM:2.3e-07)
14121	LIB3107-041-Q1-K1-G12.f1	hist_deacetyl(HMM:2.5e-15)
14122	bth700849273.h1.f3	hist_deacetyl(HMM:3.3e-11)
14123	172173_1.R1040.f1	hist_deacetyl(HMM:4.5e-28)
14124	zhf700964981.h1.f2	hist_deacetyl(HMM:4.8e-20)
14125	147499_1.R1040.f2	hist_deacetyl(HMM:5.3e-05)
14126	fde700872990.h1.f2	hist_deacetyl(HMM:5.5e-24)
14127	163733_1.R1040.f1	hist_deacetyl(HMM:6.3e-06)
14128	g5687823.f1	hist_deacetyl(HMM:6.3e-08)
14129	163733_2.R1040.f3	hist_deacetyl(HMM:8.4e-07)
14130	LIB3138-035-Q1-N1-A7.f1	hist_deacetyl(HMM:8.5e-28)
14131	3069_1.R1040.f3	hist_deacetyl(HMM:8.8e-104)
14132	235134_1.R1040.f3	hist_deacetyl(HMM:9.4e-18)
14133	LIB3039-023-Q1-E1-D9.f1	histone(HMM:0.00014)
14134	g5688045.f2	histone(HMM:0.0005)
14135	LIB3040-017-Q1-E1-C5.f1	histone(HMM:0.0006)
14136	LIB3049-043-Q1-E1-G8.f2	histone(HMM:0.00064)
14137	asn701136208.h1.f1	histone(HMM:0.0007)
14138	LIB3170-005-Q1-K1-C11.f2	histone(HMM:0.0023)
14139	LIB3051-040-Q1-K1-A1.f1	histone(HMM:0.0078)
14140	LIB3040-009-Q1-E1-E8.f3	histone(HMM:0.021)
14141	LIB3170-009-Q2-K1-H1.f3	histone(HMM:0.069)
14142	LIB3049-016-Q1-E1-F3.f1	histone(HMM:0.087)
14143	LIB3092-022-Q1-K1-E10.f1	histone(HMM:0.09)
14144	5245_1.R1040.f3	histone(HMM:0.14)
14145	LIB3170-032-Q1-K1-A8.f3	histone(HMM:0.16)
14146	hyd700728637.h1.f1	histone(HMM:0.19)
14147	LIB3049-054-Q1-E1-D7.f3	histone(HMM:0.2)
14148	LIB3040-041-Q1-E1-E10.f1	histone(HMM:0.38)
14149	1793_18.R1040.f2	histone(HMM:0.53)

14150	LIB3039-046-Q1-E1-C12.f3	histone(HMM:0.7)
14151	jsh701064263.h1.f2	histone(HMM:1.1e-06)
14152	LIB3039-015-Q1-E1-B9.f1	histone(HMM:1.1e-06)
14153	9139_3.R1040.f3	histone(HMM:1.1e-29)
14154	3239_1.R1040.f2	histone(HMM:1.1e-51)
14155	3239_2.R1040.f3	histone(HMM:1.1e-51)
14156	LIB3053-009-Q1-N1-B6.f3	histone(HMM:1.2)
14157	LIB3049-030-Q1-E1-E8.f3	histone(HMM:1.2e-12)
14158	LIB3050-004-Q1-E1-A7.f2	histone(HMM:1.2e-12)
14159	1313_4.R1040.f6	histone(HMM:1.2e-14)
14160	7776_2.R1040.f3	histone(HMM:1.2e-28)
14161	8806_1.R1040.f3	histone(HMM:1.2e-43)
14162	5384_1.R1040.f1	histone(HMM:1.2e-48)
14163	5384_4.R1040.f3	histone(HMM:1.2e-48)
14164	5384_6.R1040.f3	histone(HMM:1.2e-48)
14165	3239_3.R1040.f2	histone(HMM:1.2e-50)
14166	3239_4.R1040.f2	histone(HMM:1.2e-50)
14167	LIB3093-050-Q1-K1-G7.f1	histone(HMM:1.3)
14168	jsh701064730.h1.f1	histone(HMM:1.3e-14)
14169	11868_2.R1040.f2	histone(HMM:1.3e-31)
14170	LIB3073-018-Q1-K1-G7.f1	histone(HMM:1.4e-10)
14171	5384_12.R1040.f2	histone(HMM:1.4e-15)
14172	pcp700994709.h1.f2	histone(HMM:1.5e-22)
14173	uC-gmropic007g05b1.f2	histone(HMM:1.6e-07)
14174	11868_3.R1040.f3	histone(HMM:1.6e-16)
14175	9139_2.R1040.f3	histone(HMM:1.6e-46)
14176	1793_10.R1040.f1	histone(HMM:1.7e-06)
14177	jC-gmro02910067f08d1.f6	histone(HMM:1.7e-07)
14178	LIB3139-105-P1-N1-E2.f2	histone(HMM:1.7e-07)
14179	9050_4.R1040.f2	histone(HMM:1.7e-09)
14180	kl1701212261.h1.f2	histone(HMM:1.7e-09)
14181	LIB3051-015-Q1-E1-H7.f3	histone(HMM:1.7e-09)
14182	LIB3028-015-Q1-B1-D2.f1	histone(HMM:1.7e-10)
14183	gsv701050604.h1.f2	histone(HMM:1.7e-11)
14184	txt700732039.h1.f3	histone(HMM:1.7e-11)
14185	kl1701213472.h1.f2	histone(HMM:1.7e-17)
14186	3239_5.R1040.f2	histone(HMM:1.8e-49)
14187	4964_2.R1040.f2	histone(HMM:1.9e-05)
14188	1793_12.R1040.f3	histone(HMM:1.9e-18)
14189	1793_15.R1040.f2	histone(HMM:1.9e-18)
14190	1793_16.R1040.f1	histone(HMM:1.9e-18)
14191	1793_5.R1040.f2	histone(HMM:1.9e-18)
14192	1793_8.R1040.f1	histone(HMM:1.9e-18)
14193	2548_2.R1040.f1	histone(HMM:1.9e-18)
14194	2548_3.R1040.f2	histone(HMM:1.9e-18)
14195	2548_4.R1040.f2	histone(HMM:1.9e-18)
14196	2548_5.R1040.f1	histone(HMM:1.9e-18)
14197	2548_6.R1040.f2	histone(HMM:1.9e-18)
14198	4848_1.R1040.f3	histone(HMM:1.9e-18)
14199	4921_1.R1040.f1	histone(HMM:1.9e-18)
14200	8645_1.R1040.f3	histone(HMM:1.9e-18)
14201	uC-gmflminsoy022h10b1.f2	histone(HMM:1.9e-18)
14202	1313_5.R1040.f4	histone(HMM:1e-26)
14203	1612_1.R1040.f2	histone(HMM:1e-49)

14204	8958_2.R1040.f3	histone(HMM:1e-49)
14205	LIB3170-009-Q1-J1-D10.f6	histone(HMM:2.1e-12)
14206	9050_1.R1040.fl	histone(HMM:2.2e-50)
14207	9050_2.R1040.f3	histone(HMM:2.2e-50)
14208	9050_3.R1040.fl	histone(HMM:2.2e-50)
14209	rlr700899371.h1.fl	histone(HMM:2.4e-06)
14210	6716_1.R1040.f3	histone(HMM:2.4e-46)
14211	6716_2.R1040.fl	histone(HMM:2.4e-46)
14212	vwf700677817.h1.fl	histone(HMM:2.5)
14213	58724_1.R1040.f3	histone(HMM:2.5e-43)
14214	18710_1.R1040.fl	histone(HMM:2.5e-46)
14215	11755_1.R1040.fl	histone(HMM:2.6e-50)
14216	gsv701051953.h1.fl	histone(HMM:2.7e-13)
14217	LIB3028-007-Q1-B1-A9.f2	histone(HMM:2.7e-17)
14218	1793_27.R1040.f2	histone(HMM:2.8e-05)
14219	5384_8.R1040.f3	histone(HMM:2.8e-44)
14220	epx701108441.h1.fl	histone(HMM:2.9)
14221	2548_8.R1040.f3	histone(HMM:2.9e-17)
14222	LIB3106-102-Q1-K1-E11.f3	histone(HMM:2e-18)
14223	LIB3106-075-Q1-K1-B12.fl	histone(HMM:3.1e-05)
14224	vzy700754394.h1.f3	histone(HMM:3.1e-05)
14225	leu701157093.h1.f2	histone(HMM:3.1e-07)
14226	1793_22.R1040.f3	histone(HMM:3.1e-11)
14227	wrg700790495.h2.f2	histone(HMM:3.1e-13)
14228	wvk700680989.h1.f2	histone(HMM:3.1e-14)
14229	LIB3040-033-Q1-E1-F4.f3	histone(HMM:3.1e-15)
14230	5384_5.R1040.f2	histone(HMM:3.1e-48)
14231	LIB3167-017-P1-K1-F4.f2	histone(HMM:3.2e-08)
14232	hrw701060684.h1.fl	histone(HMM:3.2e-09)
14233	8806_2.R1040.fl	histone(HMM:3.2e-26)
14234	132993_1.R1040.fl	histone(HMM:3.2e-44)
14235	1530_1.R1040.fl	histone(HMM:3.3e-44)
14236	epx701107296.h1.fl	histone(HMM:3.5e-13)
14237	LIB3170-002-Q1-J1-G8.f5	histone(HMM:3.6e-08)
14238	zhf700960431.h1.f3	histone(HMM:3.6e-09)
14239	LIB3049-050-Q1-E1-F5.f3	histone(HMM:3.7e-12)
14240	LIB3138-081-P1-N1-B7.f3	histone(HMM:3.8e-19)
14241	rca700997386.h1.f3	histone(HMM:3.9e-09)
14242	LIB3040-035-Q1-E1-G9.f3	histone(HMM:4.1e-07)
14243	sat701009174.h1.f3	histone(HMM:4.2e-15)
14244	hyd700729859.h1.f2	histone(HMM:4.4e-15)
14245	1830_2.R1040.fl	histone(HMM:4.5e-09)
14246	ncj700977983.h1.f3	histone(HMM:4.6e-08)
14247	rlr700898354.h1.f3	histone(HMM:4.8)
14248	LIB3170-016-Q1-K1-C5.f2	histone(HMM:4.9e-08)
14249	LIB3049-005-Q1-E1-E10.fl	histone(HMM:4e-19)
14250	1830_1.R1040.fl	histone(HMM:4e-44)
14251	21297_1.R1040.f4	histone(HMM:5.2e-42)
14252	LIB3073-002-Q1-K1-G3.f2	histone(HMM:5e-09)
14253	LIB3170-022-Q1-K1-C9.f3	histone(HMM:5e-10)
14254	vzy700756334.h1.f2	histone(HMM:6.1e-23)
14255	LIB3106-074-Q1-K1-C2.fl	histone(HMM:6.2e-26)
14256	11868_1.R1040.f3	histone(HMM:6.3e-44)
14257	5384_2.R1040.fl	histone(HMM:6.4e-49)

14258	5384_7.R1040.f2	histone(HMM:6.4e-49)
14259	1313_3.R1040.f5	histone(HMM:6.5e-23)
14260	8958_1.R1040.f1	histone(HMM:6.5e-50)
14261	2548_7.R1040.f1	histone(HMM:6.8e-18)
14262	5384_11.R1040.f1	histone(HMM:6e-25)
14263	LIB3170-017-Q1-K1-H8.f1	histone(HMM:7.2e-13)
14264	LIB3106-096-Q1-K1-A12.f1	histone(HMM:7.4e-20)
14265	uC-gmronoir012b07b1.f2	histone(HMM:7.5e-47)
14266	LIB3049-001-Q1-E1-C6.f1	histone(HMM:7.6)
14267	LIB3039-034-Q1-E1-H5.f3	histone(HMM:7.7e-05)
14268	LIB3040-010-Q1-E1-B10.f1	histone(HMM:7.7e-05)
14269	5384_3.R1040.f1	histone(HMM:7.8e-48)
14270	8158_1.R1040.f3	histone(HMM:7.9e-47)
14271	4964_1.R1040.f3	histone(HMM:8.2e-47)
14272	7776_1.R1040.f3	histone(HMM:8.2e-47)
14273	8093_1.R1040.f1	histone(HMM:8.2e-47)
14274	9139_1.R1040.f2	histone(HMM:8.2e-47)
14275	jsh701067133.h1.f2	histone(HMM:8.4e-14)
14276	hyd700726644.h1.f1	histone(HMM:8.9e-10)
14277	LIB3107-078-Q1-K1-F5.f1	histone(HMM:9.2e-05)
14278	323923_1.R1040.f5	histone(HMM:9.2e-14)
14279	5384_10.R1040.f2	histone(HMM:9.4e-18)
14280	wrg700786094.h2.f1	histone(HMM:9.6e-05)
14281	LIB3170-033-Q1-K1-F2.f3	histone(HMM:9.9e-05)
14282	taw700657519.h1.f2	hlh(HMM:0.0001)
14283	21857_1.R1040.f1	hlh(HMM:0.00022)
14284	r1r700898156.h1.f1	hlh(HMM:0.00023)
14285	12255_3.R1040.f2	hlh(HMM:0.00035)
14286	gsv701056674.h1.f2	hlh(HMM:0.0011)
14287	LIB3029-011-Q1-B1-G3.f1	hlh(HMM:0.0014)
14288	148437_1.R1040.f2	hlh(HMM:0.0015)
14289	g5666744.f3	hlh(HMM:0.0036)
14290	110458_1.R1040.f1	hlh(HMM:0.0059)
14291	2379_1.R1040.f1	hlh(HMM:0.0073)
14292	ncj700981519.h1.f1	hlh(HMM:0.02)
14293	fC-gmle700555621.f3.f6	hlh(HMM:0.027)
14294	uC-gmropic025b06b1.f2	hlh(HMM:0.03)
14295	232062_1.R1040.f1	hlh(HMM:0.043)
14296	179143_1.R1040.f1	hlh(HMM:0.046)
14297	LIB3087-005-Q1-K1-E9.f6	hlh(HMM:0.054)
14298	80988_1.R1040.f3	hlh(HMM:0.066)
14299	116902_1.R1040.f2	hlh(HMM:0.071)
14300	2379_2.R1040.f2	hlh(HMM:0.095)
14301	112331_1.R1040.f2	hlh(HMM:0.11)
14302	75406_1.R1040.f2	hlh(HMM:0.17)
14303	116902_2.R1040.f1	hlh(HMM:0.35)
14304	68494_1.R1040.f1	hlh(HMM:1.2e-08)
14305	jsh701065109.h1.f2	hlh(HMM:1.3e-09)
14306	680_1.R1040.f2	hlh(HMM:1.3e-14)
14307	150715_1.R1040.f2	hlh(HMM:1.5e-10)
14308	119719_1.R1040.f2	hlh(HMM:1.7e-15)
14309	118083_1.R1040.f3	hlh(HMM:1.8e-08)
14310	4335_1.R1040.f2	hlh(HMM:1.8e-10)
14311	21084_1.R1040.f3	hlh(HMM:1.9e-13)

14312	138767_1.R1040.f3	hlh(HMM:2.2e-10)
14313	249237_1.R1040.f1	hlh(HMM:2.5e-09)
14314	g5058300.f2	hlh(HMM:2.5e-09)
14315	114950_1.R1040.f1	hlh(HMM:2.5e-12)
14316	9818_1.R1040.f3	hlh(HMM:2.6e-05)
14317	66406_1.R1040.f2	hlh(HMM:2.6e-09)
14318	19262_1.R1040.f3	hlh(HMM:2.8e-13)
14319	149817_1.R1040.f3	hlh(HMM:3.8e-06)
14320	77385_1.R1040.f1	hlh(HMM:3.8e-10)
14321	16111_1.R1040.f1	hlh(HMM:3.9e-08)
14322	82903_1.R1040.f1	hlh(HMM:4.1e-09)
14323	2169_1.R1040.f3	hlh(HMM:4.2e-12)
14324	2169_3.R1040.f1	hlh(HMM:4.2e-12)
14325	jC-gmfl02220102f12a1.f2	hlh(HMM:4.2e-12)
14326	19262_2.R1040.f1	hlh(HMM:4.2e-13)
14327	12143_1.R1040.f3	hlh(HMM:4.3e-10)
14328	29402_1.R1040.f3	hlh(HMM:4.5e-09)
14329	50777_1.R1040.f3	hlh(HMM:4.5e-14)
14330	59673_1.R1040.f3	hlh(HMM:4.7e-07)
14331	57030_1.R1040.f3	hlh(HMM:4.8e-15)
14332	48067_1.R1040.f3	hlh(HMM:4e-09)
14333	87706_1.R1040.f2	hlh(HMM:4e-10)
14334	238638_1.R1040.f2	hlh(HMM:4e-13)
14335	LIB3106-032-Q1-K1-B6.f1	hlh(HMM:5.3e-12)
14336	jC-gmfl02220081h06a1.f2	hlh(HMM:6.4e-07)
14337	12255_2.R1040.f1	hlh(HMM:6.6e-05)
14338	30853_1.R1040.f1	hlh(HMM:7.8e-11)
14339	46911_2.R1040.f2	hlh(HMM:8.4e-07)
14340	172245_1.R1040.f1	hlh(HMM:8.5e-11)
14341	1135_1.R1040.f2	hlh(HMM:9.6e-06)
14342	46923_1.R1040.f2	hlh(HMM:9.7e-05)
14343	41959_1.R1040.f3	hlh(HMM:9e-05)
14344	189248_1.R1040.f1	hlh(HMM:9e-08)
14345	LIB3039-005-Q1-E1-C6.f2	hmg_box(HMM:0.00033)
14346	LIB3170-085-Q1-K1-E4.f3	hmg_box(HMM:0.001)
14347	LIB3092-004-Q1-K1-B5.f2	hmg_box(HMM:0.0041)
14348	pxt700943934.h1.f3	hmg_box(HMM:0.013)
14349	380_4.R1040.f1	hmg_box(HMM:0.034)
14350	LIB3049-042-Q1-E1-D6.f1	hmg_box(HMM:0.072)
14351	fde700873131.h1.f2	hmg_box(HMM:0.27)
14352	LIB3040-049-Q1-E1-C1.f1	hmg_box(HMM:0.39)
14353	LIB3040-034-Q1-E1-A2.f3	hmg_box(HMM:0.61)
14354	LIB3049-007-Q1-E1-D4.f3	hmg_box(HMM:0.94)
14355	ssr700559324.h1.f2	hmg_box(HMM:1.2e-34)
14356	36191_1.R1040.f2	hmg_box(HMM:1.3e-20)
14357	kll701210145.h1.f1	hmg_box(HMM:1.4e-05)
14358	380_1.R1040.f2	hmg_box(HMM:1.4e-29)
14359	fua701040918.h1.f1	hmg_box(HMM:1.8e-08)
14360	4101_1.R1040.f2	hmg_box(HMM:2.2e-26)
14361	zsg701129793.h1.f3	hmg_box(HMM:2.3)
14362	90385_1.R1040.f3	hmg_box(HMM:2.4e-31)
14363	LIB3039-016-Q1-E1-A3.f2	hmg_box(HMM:2.5e-11)
14364	LIB3106-038-Q1-K1-C6.f3	hmg_box(HMM:2.5e-13)
14365	g5753699.f1	hmg_box(HMM:2e-30)

14366	zhf700952013.h1.f1	hmg_box(HMM:3.3e-11)
14367	LIB3051-063-Q1-K1-B11.f3	hmg_box(HMM:3.4e-25)
14368	4802_1.R1040.f2	hmg_box(HMM:3.4e-31)
14369	14608_2.R1040.f5	hmg_box(HMM:3.8e-17)
14370	16850_1.R1040.f1	hmg_box(HMM:3.9e-29)
14371	jC-gmro02910041076a1.f1	hmg_box(HMM:4.8e-22)
14372	14608_1.R1040.f6	hmg_box(HMM:5.2e-31)
14373	4802_2.R1040.f3	hmg_box(HMM:5.9e-21)
14374	LIB3167-027-P1-K1-C1.f1	hmg_box(HMM:6.4e-22)
14375	380_3.R1040.f3	hmg_box(HMM:6.5e-24)
14376	wvk700681408.h2.f2	hmg_box(HMM:7.3)
14377	LIB3040-017-Q1-E1-G12.f3	hmg_box(HMM:7.6)
14378	zsg701122328.h1.f6	hmg_box(HMM:8.2e-07)
14379	LIB3138-069-P1-N1-G10.f3	hmg_box(HMM:8.3e-12)
14380	LIB3087-001-Q1-K1-E10.f3	hmg_box(HMM:9e-14)
14381	kl1701212376.h1.f3	homeobox(HMM:0.0003)
14382	556_1.R1040.f3	"homeobox(HMM:0.00041),homeobox_knox3(1.5e-34)"
14383	5787_1.R1040.f1	"homeobox(HMM:0.0006),homeobox_knox3(1.5e-10)"
14384	sat701013785.h1.f1	"homeobox(HMM:0.00064),homeobox_knox3(8.4e-06)"
14385	67987_1.R1040.f1	"homeobox(HMM:0.0035),homeobox_knox3(4.0e-37)"
14386	31791_1.R1040.f1	"homeobox(HMM:0.0044),homeobox_knox3(1.4e-20),homeobox_mat(0.0010)"
14387	220535_1.R1040.f2	"homeobox(HMM:0.0061),homeobox_knox3(2.2e-12)"
14388	556_2.R1040.f1	"homeobox(HMM:0.0065),homeobox_knox3(1.5e-30)"
14389	63316_1.R1040.f2	"homeobox(HMM:0.0076),homeobox_knox3(9.8e-13)"
14390	46255_1.R1040.f3	"homeobox(HMM:0.0079),homeobox_knox3(9.5e-11)"
14391	20275_1.R1040.f2	"homeobox(HMM:0.0087),homeobox_knox3(5.4e-12),homeobox_mat(0.0009)"
14392	235281_1.R1040.f2	"homeobox(HMM:0.014),homeobox_knox3(4.8e-35)"
14393	7598_1.R1040.f3	"homeobox(HMM:0.018),homeobox_knox3(1.1e-22)"
14394	62496_1.R1040.f3	"homeobox(HMM:0.02),homeobox_knox3(5.6e-12)"
14395	19335_1.R1040.f3	"homeobox(HMM:0.025),homeobox_knox3(3.7e-22)"
14396	33403_1.R1040.f1	"homeobox(HMM:0.027),homeobox_knox3(7.7e-26)"
14397	2593_1.R1040.f2	"homeobox(HMM:0.037),homeobox_knox3(3.7e-12)"
14398	46255_4.R1040.f1	"homeobox(HMM:0.044),homeobox_knox3(1.4e-10)"
14399	jC-gmro02910047g01a1.f3	homeobox(HMM:0.092)
14400	129751_1.R1040.f1	"homeobox(HMM:0.12),homeob

14401	7598_4.R1040.f1	ox_knox3(3.5e-09)" "homeobox(HMM:0.2),homeobox_knox3(5.7e-19)"
14402	jC-gmro02800034b10a1.f2	"homeobox(HMM:0.24),homeobox_knox3(9.6e-19)"
14403	138756_1.R1040.f1	homeobox(HMM:1)
14404	47849_1.R1040.f3	homeobox(HMM:1.1e-20)
14405	237426_1.R1040.f1	homeobox(HMM:1.2)
14406	13906_1.R1040.f2	homeobox(HMM:1.2e-18)
14407	185679_1.R1040.f3	homeobox(HMM:1.2e-18)
14408	263611_1.R1040.f1	homeobox(HMM:1.3e-12)
14409	354264_1.R1040.f2	homeobox(HMM:1.4e-15)
14410	7481_1.R1040.f1	homeobox(HMM:1.5e-19)
14411	jC-gmle01810073f02d1.f5	"homeobox(HMM:1.7e-06),homeobox_knox3(1.4e-34)"
14412	75839_1.R1040.f1	"homeobox(HMM:1.9),homeobox_knox3(4.2e-09)"
14413	47852_1.R1040.f1	"homeobox(HMM:1.9e-08),phd(HMM:2.7e-12)"
14414	2297_1.R1040.f2	homeobox(HMM:1e-19)
14415	LIB3093-015-Q1-K1-A9.f1	homeobox(HMM:1e-19)
14416	LIB3138-021-Q1-N1-B8.f2	homeobox(HMM:1e-19)
14417	101833_1.R1040.f1	homeobox(HMM:2.1)
14418	733_21.R1040.f1	homeobox(HMM:2.1e-17)
14419	126778_1.R1040.f3	homeobox(HMM:2.3e-15)
14420	120026_1.R1040.f2	homeobox(HMM:2.4e-05)
14421	LIB3139-040-P1-N1-D1.f3	homeobox(HMM:2.4e-19)
14422	27738_1.R1040.f2	homeobox(HMM:2.9e-15)
14423	2873_1.R1040.f2	homeobox(HMM:3.2e-19)
14424	LIB3138-093-Q1-N1-H6.f2	homeobox(HMM:3.2e-19)
14425	84555_1.R1040.f3	"homeobox(HMM:3.4e-05),homeobox_knox3(7.6e-32)"
14426	LIB3051-078-Q1-K1-G11.f2	homeobox(HMM:3.5e-16)
14427	464_1.R1040.f1	homeobox(HMM:3.6e-17)
14428	6029_2.R1040.f2	homeobox(HMM:3.7e-10)
14429	49928_1.R1040.f1	homeobox(HMM:3.7e-15)
14430	10491_1.R1040.f3	homeobox(HMM:3.9e-18)
14431	464_2.R1040.f2	homeobox(HMM:4.2e-12)
14432	jC-gmst02400054h07a1.f2	homeobox(HMM:4.7e-16)
14433	asn701136723.h1.f3	homeobox(HMM:4.9e-19)
14434	2297_2.R1040.f2	homeobox(HMM:5.6e-19)
14435	81815_1.R1040.f2	homeobox(HMM:6.7)
14436	jC-gmro02910022c12d1.f1	homeobox(HMM:6.8e-16)
14437	78625_1.R1040.f1	homeobox(HMM:6.9e-20)
14438	23796_1.R1040.f3	homeobox(HMM:9.2e-18)
14439	kl1701205621.h1.f1	homeobox(HMM:9.6e-06)
14440	384_3.R1040.f2	hsf_dna-bind(HMM:0.0028)
14441	78395_1.R1040.f3	hsf_dna-bind(HMM:0.034)
14442	209926_1.R1040.f2	hsf_dna-bind(HMM:0.65)
14443	70195_1.R1040.f3	hsf_dna-bind(HMM:1.1e-52)
14444	122_4.R1040.f4	hsf_dna-bind(HMM:1.1e-60)
14445	387_2.R1040.f2	hsf_dna-bind(HMM:1.2e-48)
14446	383_1.R1040.f1	hsf_dna-bind(HMM:1.2e-83)
14447	76611_1.R1040.f1	hsf_dna-bind(HMM:1.3e-07)

14448	384_1.R1040.f2	hsf_dna-bind(HMM:1.3e-57)
14449	6560_1.R1040.f2	hsf_dna-bind(HMM:1.4e-41)
14450	65098_1.R1040.f1	hsf_dna-bind(HMM:1.5e-53)
14451	122_2.R1040.f4	hsf_dna-bind(HMM:1.5e-58)
14452	jC-gmro02910062b09a1.f1	hsf_dna-bind(HMM:1.6e-06)
14453	70195_2.R1040.f1	hsf_dna-bind(HMM:1.7e-08)
14454	122_6.R1040.f5	hsf_dna-bind(HMM:2.2)
14455	387_3.R1040.f1	hsf_dna-bind(HMM:2.3)
14456	385_1.R1040.f1	hsf_dna-bind(HMM:2.4e-61)
14457	181_1.R1040.f4	hsf_dna-bind(HMM:2.5e-05)
14458	385_2.R1040.f1	hsf_dna-bind(HMM:2.9e-23)
14459	50067_1.R1040.f1	hsf_dna-bind(HMM:2.9e-57)
14460	387_1.R1040.f1	hsf_dna-bind(HMM:2.9e-66)
14461	6290_1.R1040.f1	hsf_dna-bind(HMM:2e-28)
14462	384_2.R1040.f3	hsf_dna-bind(HMM:3.2e-46)
14463	LIB3028-031-Q1-B1-F2.f2	hsf_dna-bind(HMM:3.4e-21)
14464	LIB3138-126-Q1-N1-A1.f1	hsf_dna-bind(HMM:3.5e-53)
14465	230085_1.R1040.f3	hsf_dna-bind(HMM:3e-12)
14466	13936_2.R1040.f1	hsf_dna-bind(HMM:4.2e-57)
14467	jC-gmro02910071a08a1.f2	hsf_dna-bind(HMM:4.4e-07)
14468	hrw701060607.h1.f1	hsf_dna-bind(HMM:4.5)
14469	LIB3139-119-P1-N1-A12.f2	hsf_dna-bind(HMM:4.5e-09)
14470	jC-gmro02910072h09a1.f2	hsf_dna-bind(HMM:4.7e-07)
14471	LIB3065-001-Q1-N1-A6.f2	hsf_dna-bind(HMM:4.8)
14472	35655_1.R1040.f1	hsf_dna-bind(HMM:5.1e-65)
14473	fde700872947.h1.f3	hsf_dna-bind(HMM:5.4e-08)
14474	122311_1.R1040.f2	hsf_dna-bind(HMM:5.7e-51)
14475	102601_1.R1040.f2	hsf_dna-bind(HMM:5.8e-83)
14476	46527_1.R1040.f1	hsf_dna-bind(HMM:7e-93)
14477	fC-gmse700669003k1.f4	hsf_dna-bind(HMM:8.1e-09)
14478	25839_1.R1040.f2	hsf_dna-bind(HMM:8.5e-64)
14479	45325_2.R1040.f2	hsf_dna-bind(HMM:8.6e-66)
14480	uC-gmrominsoy141a08b1.f3	iaa(HMM:0.00014)
14481	147803_1.R1040.f2	iaa(HMM:0.00016)
14482	g4292511.f3	iaa(HMM:0.00022)
14483	fua701037510.h1.f2	iaa(HMM:0.00078)
14484	LIB3106-020-Q1-K1-C10.f2	iaa(HMM:0.00079)
14485	294291_1.R1040.f1	iaa(HMM:0.0009)
14486	75638_1.R1040.f3	iaa(HMM:0.0032)
14487	uC-gmrominsoy172d07b1.f1	iaa(HMM:0.011)
14488	165120_1.R1040.f2	iaa(HMM:0.012)
14489	20391_1.R1040.f2	iaa(HMM:0.018)
14490	asn701137240.h1.f3	iaa(HMM:0.045)
14491	jC-gmfl02220104d07d1.f6	iaa(HMM:0.066)
14492	jC-gmle01810061b03a1.f2	iaa(HMM:0.07)
14493	29338_1.R1040.f2	iaa(HMM:0.75)
14494	86291_1.R1040.f3	iaa(HMM:0.84)
14495	522_2.R1040.f2	iaa(HMM:1.1e-09)
14496	seb700652780.h1.f3	iaa(HMM:1.1e-17)
14497	108315_1.R1040.f1	iaa(HMM:1.3e-44)
14498	523_2.R1040.f3	iaa(HMM:1.3e-45)
14499	LIB3028-029-Q1-B1-H9.f3	iaa(HMM:1.5e-14)
14500	ary700764411.h1.f3	iaa(HMM:1.6e-12)
14501	kl1701207169.h1.f1	iaa(HMM:1.8)

14502	522_1.R1040.f3	iaa(HMM:1.9e-56)
14503	31282_1.R1040.f2	iaa(HMM:1e-35)
14504	19644_2.R1040.f1	iaa(HMM:1e-49)
14505	333749_1.R1040.f1	iaa(HMM:2.1e-33)
14506	2704_1.R1040.f2	iaa(HMM:2.3e-35)
14507	108840_1.R1040.f3	iaa(HMM:2.3e-56)
14508	2769_2.R1040.f1	iaa(HMM:2.3e-64)
14509	LIB3109-035-Q1-K2-E6.f1	iaa(HMM:2.4e-09)
14510	2131_1.R1040.f3	iaa(HMM:2.4e-67)
14511	32706_1.R1040.f3	iaa(HMM:2.5e-06)
14512	169896_1.R1040.f3	iaa(HMM:2.5e-08)
14513	12357_1.R1040.f1	iaa(HMM:2.5e-49)
14514	2131_3.R1040.f2	iaa(HMM:2.6e-65)
14515	117021_1.R1040.f2	iaa(HMM:2.8e-20)
14516	LIB3087-002-Q1-K1-D9.f1	iaa(HMM:2.9e-28)
14517	109467_1.R1040.f3	iaa(HMM:2.9e-29)
14518	523_1.R1040.f2	iaa(HMM:2.9e-68)
14519	jex700908337.h1.f3	iaa(HMM:2e-05)
14520	4055_2.R1040.f1	iaa(HMM:2e-06)
14521	LIB3092-021-Q1-K1-A11.f3	iaa(HMM:2e-08)
14522	23694_1.R1040.f1	iaa(HMM:3.3e-34)
14523	636_2.R1040.f2	iaa(HMM:3.3e-56)
14524	2131_2.R1040.f1	iaa(HMM:3.5e-62)
14525	15272_1.R1040.f1	iaa(HMM:3.6e-61)
14526	788_2.R1040.f1	iaa(HMM:3.7e-57)
14527	jC-gmfl02220097f03a1.f3	iaa(HMM:4.2e-11)
14528	uaw700665388.h1.f3	iaa(HMM:4.5e-20)
14529	hrw701060413.h1.f1	iaa(HMM:4.7e-07)
14530	788_1.R1040.f2	iaa(HMM:4.7e-48)
14531	14925_1.R1040.f2	iaa(HMM:4e-32)
14532	303157_1.R1040.f2	iaa(HMM:5.2e-18)
14533	636_1.R1040.f2	iaa(HMM:5.5e-67)
14534	uC-gmronoir013c01b1.f2	iaa(HMM:6.3e-20)
14535	6HA-01-Q1-E1-B3.f6	iaa(HMM:6.4)
14536	zhf700959213.h1.f2	iaa(HMM:6.8e-08)
14537	uC-gmrominsoy141d12b1.f1	iaa(HMM:7.5)
14538	636_3.R1040.f1	iaa(HMM:8.6e-66)
14539	20122_1.R1040.f1	iaa(HMM:8.8e-12)
14540	zsg701124726.h1.f2	iaa(HMM:8.9e-05)
14541	523_3.R1040.f3	iaa(HMM:9.2e-11)
14542	4055_1.R1040.f1	iaa(HMM:9.6e-11)
14543	19644_1.R1040.f2	iaa(HMM:9.8e-62)
14544	205244_1.R1040.f3	ibr(HMM:0.34)
14545	58014_1.R1040.f3	ibr(HMM:1.3e-16)
14546	25497_1.R1040.f2	"ibr(HMM:2.5e-08),zf- c3hc4(HMM:0.013)"
14547	6965_2.R1040.f1	ibr(HMM:4.2e-20)
14548	6965_3.R1040.f3	ibr(HMM:5.5e-13)
14549	91156_1.R1040.f4	k-box(HMM:0.0036)
14550	kl1701206994.h1.f2	k-box(HMM:0.004)
14551	LIB3139-100-P1-N1-H10.f3	k-box(HMM:0.0044)
14552	32643_1.R1040.f2	"k-box(HMM:0.0044),srf- tf(HMM:5.9e-36)"
14553	233177_1.R1040.f1	k-box(HMM:0.0091)

14554	244_1.R1040.f1	"k-box(HMM:0.013),srf- tf(HMM:6.5e-32)"
14555	LIB3050-012-Q1-E1-B4.f2	k-box(HMM:0.15)
14556	1579_3.R1040.f2	"k-box(HMM:1.1e-31),srf- tf(HMM:3.8e-37)"
14557	43586_2.R1040.f2	"k-box(HMM:1.2e-09),srf- tf(HMM:3.4e-36)"
14558	uC-gmflminsoyl20d10b1.f1	k-box(HMM:1.5e-05)
14559	128341_1.R1040.f2	"k-box(HMM:1.5e-07),srf- tf(HMM:1.2e-32)"
14560	65324_1.R1040.f1	"k-box(HMM:1.6e-19),srf- tf(HMM:9.6e-35)"
14561	257856_1.R1040.f2	k-box(HMM:1.9e-18)
14562	180462_1.R1040.f2	"k-box(HMM:1e-06),srf- tf(HMM:1e-33)"
14563	67995_1.R1040.f3	"k-box(HMM:1e-12),srf- tf(HMM:4.5e-38)"
14564	35441_1.R1040.f3	"k-box(HMM:1e-21),srf- tf(HMM:7e-37)"
14565	15187_1.R1040.f2	"k-box(HMM:2.1e-22),srf- tf(HMM:6.4e-37)"
14566	43586_1.R1040.f1	"k-box(HMM:2.5e-18),srf- tf(HMM:2.6e-34)"
14567	47988_1.R1040.f2	"k-box(HMM:2.6e-05),srf- tf(HMM:2.2e-32)"
14568	63204_1.R1040.f3	"k-box(HMM:3.4e-12),srf- tf(HMM:6.1e-35)"
14569	1576_1.R1040.f3	"k-box(HMM:3.5),srf- tf(HMM:4.3e-37)"
14570	hyd700728433.h1.f1	k-box(HMM:3.7e-18)
14571	90218_1.R1040.f4	k-box(HMM:4.7e-07)
14572	15223_1.R1040.f1	"k-box(HMM:5.5e-15),srf- tf(HMM:9.4e-38)"
14573	xpa700793706.h1.f1	k-box(HMM:5.8e-23)
14574	1575_1.R1040.f2	"k-box(HMM:5.8e-27),srf- tf(HMM:1.3e-36)"
14575	hrw701059890.h1.f1	k-box(HMM:6.1e-10)
14576	139861_1.R1040.f1	k-box(HMM:6.8)
14577	1575_2.R1040.f3	"k-box(HMM:7e-36),srf- tf(HMM:6.5e-24)"
14578	ncj700979602.h2.f2	k-box(HMM:8.2e-05)
14579	LIB3072-059-Q1-K1-E6.f1	k-box(HMM:8.6e-20)
14580	zhf700963673.h1.f2	k-box(HMM:8e-10)
14581	jex700904960.h1.f1	k-box(HMM:8e-19)
14582	pxt700943986.h1.f1	lim(HMM:0.0001)
14583	LIB3139-011-P1-N1-C4.f3	lim(HMM:0.00019)
14584	80623_1.R1040.f1	lim(HMM:0.00047)
14585	zhf700956625.h1.f1	lim(HMM:0.00061)
14586	bnh700764577.h1.f2	lim(HMM:0.0015)
14587	LIB3028-011-Q1-B1-G8.f2	lim(HMM:0.0066)
14588	uC-gmropic090f10b1.f3	lim(HMM:0.06)
14589	jsh701067440.h1.f3	lim(HMM:0.13)
14590	1588_2.R1040.f1	lim(HMM:1.1e-34)
14591	LIB3028-037-Q1-B1-G7.f3	lim(HMM:1.2e-10)

14592	uC-gmropic043d06b1.f3	lim(HMM:1.5e-13)
14593	1582_1.R1040.f1	lim(HMM:1.7e-13)
14594	1970_1.R1040.f2	lim(HMM:1.8e-12)
14595	4747_2.R1040.f5	lim(HMM:2.2e-17)
14596	uC-gmropic020d02b1.f2	lim(HMM:2.4e-07)
14597	68293_1.R1040.f1	lim(HMM:2.8e-07)
14598	LIB3107-008-Q1-K1-D2.f2	lim(HMM:3.1e-11)
14599	2457_1.R1040.f1	lim(HMM:4.3e-14)
14600	191147_1.R1040.f1	lim(HMM:6.2e-13)
14601	jsh701068964.h1.f1	lim(HMM:6.3)
14602	1588_1.R1040.f2	lim(HMM:7.4e-34)
14603	3_1.R1040.f2	lim(HMM:7.5e-33)
14604	19201_1.R1040.f3	lim(HMM:9.8e-32)
14605	jex700904284.h1.f2	linker_histone(HMM:0.00018)
14606	LIB3049-029-Q1-E1-G6.f3	linker_histone(HMM:0.00018)
14607	3188_3.R1040.f1	linker_histone(HMM:0.00076)
14608	klf701206107.h1.f3	linker_histone(HMM:0.016)
14609	LIB3053-011-Q1-N1-F5.f3	linker_histone(HMM:1.2e-05)
14610	21518_1.R1040.f3	linker_histone(HMM:1.2e-21)
14611	121945_1.R1040.f2	linker_histone(HMM:1.2e-33)
14612	21656_2.R1040.f1	"linker_histone(HMM:1.5e-09),myb_dna-binding(HMM:0.34)"
14613	3188_1.R1040.f1	linker_histone(HMM:1.7e-31)
14614	fC-gmse7000755389a1.f2	linker_histone(HMM:1.8e-21)
14615	381_1.R1040.f1	linker_histone(HMM:1.8e-24)
14616	12908_1.R1040.f1	"linker_histone(HMM:1e-08),myb_dna-binding(HMM:0.0015)"
14617	8792_1.R1040.f2	linker_histone(HMM:2.5e-22)
14618	2930_1.R1040.f3	linker_histone(HMM:2.6e-36)
14619	2930_2.R1040.f1	linker_histone(HMM:3.9e-36)
14620	3188_2.R1040.f2	linker_histone(HMM:6.2e-32)
14621	21518_2.R1040.f2	linker_histone(HMM:6.5e-22)
14622	381_2.R1040.f2	linker_histone(HMM:8.6e-24)
14623	7409_1.R1040.f3	linker_histone(HMM:8.8e-28)
14624	7409_2.R1040.f2	linker_histone(HMM:9.2e-28)
14625	82419_1.R1040.f2	linker_histone(HMM:9.9e-22)
14626	114555_1.R1040.f3	myb_dna-binding(HMM:0.00017)
14627	21478_1.R1040.f2	myb_dna-binding(HMM:0.00017)
14628	93066_1.R1040.f5	myb_dna-binding(HMM:0.00021)
14629	21656_1.R1040.f1	myb_dna-binding(HMM:0.00044)
14630	LIB3139-090-P1-N1-C11.f3	myb_dna-binding(HMM:0.00047)
14631	130249_1.R1040.f3	myb_dna-binding(HMM:0.00053)
14632	jex700907612.h1.f2	myb_dna-binding(HMM:0.00069)
14633	ncj700985623.h1.f1	myb_dna-binding(HMM:0.00073)

14634	zhf700955159.h1.f2	myb_dna-binding(HMM:0.00084)
14635	kmv700739430.h1.f3	myb_dna-binding(HMM:0.001)
14636	seb700649584.h1.f1	myb_dna-binding(HMM:0.0012)
14637	29933_1.R1040.f3	myb_dna-binding(HMM:0.0021)
14638	zpz700831485.h1.f3	myb_dna-binding(HMM:0.0025)
14639	80674_1.R1040.f1	myb_dna-binding(HMM:0.003)
14640	g5263160_FL.f1	myb_dna-binding(HMM:0.0033)
14641	zhf700955837.h1.f2	myb_dna-binding(HMM:0.0038)
14642	LIB3053-014-Q1-N1-B5.f2	myb_dna-binding(HMM:0.0039)
14643	3217_8.R1040.f3	myb_dna-binding(HMM:0.004)
14644	124449_1.R1040.f1	myb_dna-binding(HMM:0.0049)
14645	30544_1.R1040.f3	myb_dna-binding(HMM:0.0052)
14646	4876_4.R1040.f2	myb_dna-binding(HMM:0.0062)
14647	epx701104710.h1.f3	myb_dna-binding(HMM:0.0069)
14648	bth700846492.h1.f3	myb_dna-binding(HMM:0.0091)
14649	105904_1.R1040.f1	myb_dna-binding(HMM:0.0093)
14650	244467_1.R1040.f2	myb_dna-binding(HMM:0.0098)
14651	13534_3.R1040.f1	myb_dna-binding(HMM:0.013)
14652	86871_1.R1040.f1	myb_dna-binding(HMM:0.019)
14653	LIB3028-053-Q1-B1-G10.f3	myb_dna-binding(HMM:0.031)
14654	45639_1.R1040.f1	myb_dna-binding(HMM:0.077)
14655	63926_1.R1040.f1	myb_dna-binding(HMM:0.079)
14656	kmv700738944.h1.f6	myb_dna-binding(HMM:0.089)
14657	rlr700896232.h1.f2	myb_dna-binding(HMM:0.12)
14658	284071_1.R1040.f2	myb_dna-binding(HMM:0.13)
14659	smc700750369.h1.f1	myb_dna-binding(HMM:0.13)
14660	zhf700952682.h1.f1	myb_dna-binding(HMM:0.19)
14661	zpz700831735.h1.f2	myb_dna-binding(HMM:0.6)
14662	vwf700678561.h1.f1	myb_dna-binding(HMM:0.71)
14663	bth700846742.h1.f2	myb_dna-binding(HMM:0.87)
14664	4876_3.R1040.f2	myb_dna-binding(HMM:0.97)
14665	96749_1.R1040.f1	myb_dna-binding(HMM:1.1)
14666	LIB3139-094-P1-N1-H9.f2	myb_dna-binding(HMM:1.1e-07)
14667	21478_2.R1040.f2	myb_dna-binding(HMM:1.1e-33)
14668	180_1.R1040.f3	myb_dna-binding(HMM:1.1e-40)
14669	1580_1.R1040.f3	myb_dna-binding(HMM:1.1e-43)
14670	154770_1.R1040.f2	myb_dna-binding(HMM:1.2e-14)
14671	20051_3.R1040.f1	myb_dna-binding(HMM:1.2e-17)
14672	21478_3.R1040.f2	myb_dna-binding(HMM:1.2e-26)
14673	357107_1.R1040.f3	myb_dna-binding(HMM:1.2e-37)
14674	70949_1.R1040.f2	myb_dna-binding(HMM:1.2e-59)
14675	uC-gmflminsoy044a10b1.f2	myb_dna-binding(HMM:1.3e-09)
14676	seb700653418.h1.f1	myb_dna-binding(HMM:1.3e-12)
14677	kl1701213550.h1.f3	myb_dna-binding(HMM:1.3e-20)
14678	84019_1.R1040.f3	myb_dna-binding(HMM:1.4e-16)
14679	176584_1.R1040.f1	myb_dna-binding(HMM:1.4e-20)
14680	34995_1.R1040.f1	myb_dna-binding(HMM:1.4e-39)
14681	uC-gmropic018d09b1.f2	myb_dna-binding(HMM:1.5)
14682	21460_1.R1040.f1	myb_dna-binding(HMM:1.5e-10)
14683	uC-gmflminsoy117h06b1.f3	myb_dna-binding(HMM:1.5e-16)
14684	kl1701214851.h1.f2	myb_dna-binding(HMM:1.5e-17)
14685	zsg701122944.h1.f3	myb_dna-binding(HMM:1.5e-19)
14686	gsv701052317.h1.f1	myb_dna-binding(HMM:1.5e-21)

14687	777_1.R1040.f3	myb_dna-binding(HMM:1.5e-27)
14688	2141_1.R1040.f1	myb_dna-binding(HMM:1.5e-43)
14689	48087_1.R1040.f1	myb_dna-binding(HMM:1.6e-07)
14690	uC-gmropic013e04b1.f2	myb_dna-binding(HMM:1.6e-12)
14691	180_2.R1040.f2	myb_dna-binding(HMM:1.7)
14692	31738_1.R1040.f1	myb_dna-binding(HMM:1.7e-05)
14693	awf700838727.h1.f3	myb_dna-binding(HMM:1.7e-07)
14694	g5606179.f2	myb_dna-binding(HMM:1.9)
14695	71223_1.R1040.f2	myb_dna-binding(HMM:1.9e-05)
14696	sat701005343.h1.f3	myb_dna-binding(HMM:1.9e-06)
14697	9862_1.R1040.f3	myb_dna-binding(HMM:1.9e-25)
14698	LIB3170-049-Q1-K2-B6.f1	myb_dna-binding(HMM:1e-06)
14699	19360_1.R1040.f3	myb_dna-binding(HMM:1e-40)
14700	24366_2.R1040.f2	myb_dna-binding(HMM:1e-41)
14701	jC-gmro02910002f03a1.f2	myb_dna-binding(HMM:1e-41)
14702	16930_2.R1040.f1	myb_dna-binding(HMM:2.1e-12)
14703	260476_1.R1040.f2	myb_dna-binding(HMM:2.1e-19)
14704	19607_1.R1040.f3	myb_dna-binding(HMM:2.1e-38)
14705	144489_1.R1040.f2	myb_dna-binding(HMM:2.2e-10)
14706	rlr700896705.h1.f1	myb_dna-binding(HMM:2.2e-20)
14707	245623_1.R1040.f2	myb_dna-binding(HMM:2.2e-23)
14708	47105_2.R1040.f3	myb_dna-binding(HMM:2.2e-35)
14709	245483_1.R1040.f1	myb_dna-binding(HMM:2.3e-20)
14710	62966_2.R1040.f2	myb_dna-binding(HMM:2.3e-26)
14711	149248_1.R1040.f3	myb_dna-binding(HMM:2.3e-46)
14712	75514_1.R1040.f2	myb_dna-binding(HMM:2.4e-06)
14713	eep700867030.h1.f3	myb_dna-binding(HMM:2.4e-07)
14714	248951_1.R1040.f1	myb_dna-binding(HMM:2.4e-12)
14715	jC-gmro02910020f04a1.f1	myb_dna-binding(HMM:2.5e-06)
14716	172305_1.R1040.f3	myb_dna-binding(HMM:2.5e-07)
14717	3364_2.R1040.f3	myb_dna-binding(HMM:2.5e-09)
14718	188397_1.R1040.f1	myb_dna-binding(HMM:2.5e-20)
14719	112119_1.R1040.f2	myb_dna-binding(HMM:2.6e-06)
14720	171008_1.R1040.f1	myb_dna-binding(HMM:2.6e-12)
14721	96749_2.R1040.f3	myb_dna-binding(HMM:2.6e-12)
14722	uC-gmromins0229c02b1.f2	myb_dna-binding(HMM:2.6e-16)
14723	sat701007423.h2.f1	myb_dna-binding(HMM:2.7e-06)
14724	zsg701123350.h1.f1	myb_dna-binding(HMM:2.8e-05)
14725	194126_1.R1040.f1	myb_dna-binding(HMM:2.8e-18)
14726	pmv700890204.h1.f2	myb_dna-binding(HMM:2e-08)
14727	3217_1.R1040.f1	myb_dna-binding(HMM:2e-11)
14728	LIB3051-078-Q1-K1-E6.f2	myb_dna-binding(HMM:2e-19)
14729	3864_1.R1040.f3	myb_dna-binding(HMM:2e-36)
14730	uC-gmronoir056c06b1.f3	myb_dna-binding(HMM:3.1e-05)
14731	20030_1.R1040.f2	myb_dna-binding(HMM:3.1e-44)
14732	775_1.R1040.f2	myb_dna-binding(HMM:3.2e-45)
14733	180_3.R1040.f3	myb_dna-binding(HMM:3.4e-20)
14734	24366_1.R1040.f2	myb_dna-binding(HMM:3.4e-42)
14735	jC-gmro02910009c07a1.f2	myb_dna-binding(HMM:3.5e-29)
14736	780_1.R1040.f1	myb_dna-binding(HMM:3.5e-42)
14737	fua701040606.h1.f3	myb_dna-binding(HMM:3.6e-05)
14738	LIB3039-030-Q1-E1-F11.f2	myb_dna-binding(HMM:3.6e-20)
14739	779_1.R1040.f2	myb_dna-binding(HMM:3.6e-30)
14740	LIB3139-072-P1-N1-D11.f2	myb_dna-binding(HMM:3.6e-37)

20051_2.R1040.f2	myb_dna-binding(HMM:3.7e-18)
jex700907805.h1.f2	myb_dna-binding(HMM:3.7e-19)
247674_1.R1040.f2	myb_dna-binding(HMM:3.7e-37)
5100_1.R1040.f1	myb_dna-binding(HMM:3.8)
zsg701129720.h1.f4	myb_dna-binding(HMM:3.8e-07)
257832_1.R1040.f1	myb_dna-binding(HMM:3.8e-41)
7213_2.R1040.f3	myb_dna-binding(HMM:3.8e-41)
250760_1.R1040.f2	myb_dna-binding(HMM:3.9e-21)
LIB3139-114-P1-N1-H8.f2	myb_dna-binding(HMM:3.9e-35)
2210_1.R1040.f1	myb_dna-binding(HMM:3e-11)
pmv700888167.h1.f2	myb_dna-binding(HMM:4.1e-17)
107498_1.R1040.f2	myb_dna-binding(HMM:4.1e-19)
34995_3.R1040.f2	myb_dna-binding(HMM:4.2e-16)
LIB3109-021-Q1-K1-D10.f3	myb_dna-binding(HMM:4.3)
uC-gmrominsoy098d02b1.f1	myb_dna-binding(HMM:4.3e-20)
42909_1.R1040.f3	myb_dna-binding(HMM:4.3e-26)
LIB3139-094-P1-N1-C12.f3	myb_dna-binding(HMM:4.5e-06)
28901_1.R1040.f1	myb_dna-binding(HMM:4.5e-18)
jsh701066326.h1.f2	myb_dna-binding(HMM:4.6e-14)
118297_1.R1040.f1	myb_dna-binding(HMM:4.8e-10)
7213_1.R1040.f3	myb_dna-binding(HMM:4.8e-20)
1591_2.R1040.f2	myb_dna-binding(HMM:4.8e-40)
82562_1.R1040.f1	myb_dna-binding(HMM:4.8e-40)
176512_1.R1040.f1	myb_dna-binding(HMM:4.9e-06)
266605_1.R1040.f3	myb_dna-binding(HMM:4.9e-07)
59030_1.R1040.f3	myb_dna-binding(HMM:4.9e-10)
vwf700679623.h1.f3	myb_dna-binding(HMM:4.9e-11)
zhf700957658.h1.f3	myb_dna-binding(HMM:4.9e-14)
asn701138849.h1.f1	myb_dna-binding(HMM:4e-14)
139809_1.R1040.f3	myb_dna-binding(HMM:4e-21)
62966_1.R1040.f3	myb_dna-binding(HMM:4e-41)
257894_1.R1040.f2	myb_dna-binding(HMM:4e-43)
epx701106671.h1.f2	myb_dna-binding(HMM:5.1e-05)
LIB3028-034-Q1-B1-B10.f3	myb_dna-binding(HMM:5.2e-07)
57011_1.R1040.f2	myb_dna-binding(HMM:5.3e-35)
1591_1.R1040.f2	myb_dna-binding(HMM:5.4e-43)
leu701150368.h1.f3	myb_dna-binding(HMM:5.5e-23)
uC-gmrominsoy223d02b1.f2	myb_dna-binding(HMM:5.6)
zzp700835878.h1.f1	myb_dna-binding(HMM:5.8e-05)
121488_1.R1040.f2	myb_dna-binding(HMM:5.8e-09)
203_1.R1040.f5	myb_dna-binding(HMM:5.8e-19)
crh700850631.h1.f1	myb_dna-binding(HMM:5.9e-11)
LIB3107-012-Q1-K1-H10.f1	myb_dna-binding(HMM:5e-10)
LIB3092-054-Q1-K1-A2.f3	myb_dna-binding(HMM:6.1e-14)
uC-gmrominsoy115e11b1.f2	myb_dna-binding(HMM:6.1e-20)
3364_1.R1040.f3	myb_dna-binding(HMM:6.2e-10)
9862_2.R1040.f1	myb_dna-binding(HMM:6.2e-12)
LIB3106-090-Q1-K1-F5.f3	myb_dna-binding(HMM:6.7e-11)
4876_1.R1040.f1	myb_dna-binding(HMM:6.8e-10)
302312_1.R1040.f2	myb_dna-binding(HMM:6.9e-12)
71891_1.R1040.f1	myb_dna-binding(HMM:7.2e-11)
1908_3.R1040.f2	myb_dna-binding(HMM:7.2e-42)
80576_1.R1040.f3	myb_dna-binding(HMM:7.4e-37)
1580_2.R1040.f1	myb_dna-binding(HMM:7.5e-10)

14795	LIB3028-027-Q1-B2-G6.f1	myb_dna-binding(HMM:7.5e-12)
14796	21476_1.R1040.f2	myb_dna-binding(HMM:7.6e-11)
14797	rca700999647.h1.f3	myb_dna-binding(HMM:7.6e-12)
14798	4275_1.R1040.f3	myb_dna-binding(HMM:7.6e-46)
14799	171890_1.R1040.f3	myb_dna-binding(HMM:7.7e-19)
14800	80067_1.R1040.f1	myb_dna-binding(HMM:7.8e-37)
14801	jsh701068223.h1.f3	myb_dna-binding(HMM:8.3e-18)
14802	16930_1.R1040.f2	myb_dna-binding(HMM:8.6e-05)
14803	65835_1.R1040.f2	myb_dna-binding(HMM:8.8e-12)
14804	jex700906279.h1.f2	myb_dna-binding(HMM:8.8e-17)
14805	20051_1.R1040.f3	myb_dna-binding(HMM:8.8e-18)
14806	47105_3.R1040.f1	myb_dna-binding(HMM:8.8e-35)
14807	776_1.R1040.f2	myb_dna-binding(HMM:8e-40)
14808	64155_1.R1040.f3	myb_dna-binding(HMM:9.3)
14809	jC-gmst02400009c05a1.f1	myb_dna-binding(HMM:9.4e-10)
14810	1908_1.R1040.f2	myb_dna-binding(HMM:9.4e-43)
14811	70302_1.R1040.f3	myb_dna-binding(HMM:9.5e-11)
14812	6778_1.R1040.f2	myb_dna-binding(HMM:9.6e-22)
14813	243023_1.R1040.f1	myb_dna-binding(HMM:9.9e-20)
14814	222514_1.R1040.f2	myb_dna-binding(HMM:9e-42)
14815	278162_1.R1040.f2	nam(HMM:0.00026)
14816	LIB3092-021-Q1-K1-B7.f1	nam(HMM:0.00061)
14817	txt700736976.h1.f1	nam(HMM:0.0007)
14818	22509_1.R1040.f2	nam(HMM:0.0011)
14819	15673_1.R1040.f1	nam(HMM:0.002)
14820	jC-gmfl02220127e09a1.f1	nam(HMM:0.0026)
14821	950_3.R1040.f3	nam(HMM:0.0035)
14822	LIB3051-085-Q1-K1-E5.f3	nam(HMM:0.0047)
14823	fde700874479.h1.f2	nam(HMM:0.005)
14824	107040_1.R1040.f2	nam(HMM:0.016)
14825	50066_1.R1040.f3	nam(HMM:0.017)
14826	83251_3.R1040.f3	nam(HMM:0.017)
14827	LIB3138-042-Q1-N1-C2.f3	nam(HMM:0.023)
14828	fua701041472.h1.f3	nam(HMM:0.024)
14829	jex700907943.h1.f2	nam(HMM:0.058)
14830	LIB3170-055-Q1-K1-C1.f3	nam(HMM:0.08)
14831	pmv700890165.h1.f1	nam(HMM:0.19)
14832	zsg701130443.h1.f3	nam(HMM:0.25)
14833	62967_2.R1040.f3	nam(HMM:1.1e-09)
14834	49984_1.R1040.f1	nam(HMM:1.1e-39)
14835	34859_1.R1040.f2	nam(HMM:1.1e-41)
14836	16783_6.R1040.f2	nam(HMM:1.1e-81)
14837	214388_1.R1040.f2	nam(HMM:1.2e-05)
14838	zsg701123582.h1.f2	nam(HMM:1.2e-07)
14839	28563_1.R1040.f3	nam(HMM:1.2e-83)
14840	950_2.R1040.f1	nam(HMM:1.2e-84)
14841	20975_1.R1040.f1	nam(HMM:1.3e-82)
14842	xpa700792796.h1.f1	nam(HMM:1.4e-10)
14843	16783_2.R1040.f1	nam(HMM:1.4e-33)
14844	191901_1.R1040.f2	nam(HMM:1.5e-09)
14845	7262_1.R1040.f1	nam(HMM:1.5e-71)
14846	209717_1.R1040.f3	nam(HMM:1.6e-59)
14847	950_6.R1040.f1	nam(HMM:1.7e-08)
14848	jex700903290.h1.f1	nam(HMM:1.7e-08)

14849	sat701003436.h1.f3	nam(HMM:1.7e-09)
14850	LIB3092-046-Q1-K1-D7.f3	nam(HMM:1.7e-10)
14851	4749_3.R1040.f3	nam(HMM:1.8e-73)
14852	4937_2.R1040.f3	nam(HMM:1e-36)
14853	64148_1.R1040.f1	nam(HMM:1e-43)
14854	183014_1.R1040.f1	nam(HMM:1e-66)
14855	100436_1.R1040.f3	nam(HMM:2.1e-07)
14856	31540_1.R1040.f3	nam(HMM:2.1e-76)
14857	83251_6.R1040.f2	nam(HMM:2.3e-06)
14858	LIB3028-036-Q1-B1-H1.f3	nam(HMM:2.3e-41)
14859	jex700908442.h1.f2	nam(HMM:2.4e-10)
14860	23655_1.R1040.f3	nam(HMM:2.4e-88)
14861	zhf700954809.h1.f3	nam(HMM:2.5e-18)
14862	29855_1.R1040.f3	nam(HMM:2.5e-75)
14863	26446_1.R1040.f1	nam(HMM:2.5e-76)
14864	ssr700555303.h1.f2	nam(HMM:2.6e-08)
14865	75484_1.R1040.f2	nam(HMM:2.8e-17)
14866	zlv700807675.h1.f1	nam(HMM:2.8e-22)
14867	174243_1.R1040.f3	nam(HMM:2.9e-05)
14868	950_1.R1040.f2	nam(HMM:2.9e-84)
14869	LIB3170-071-Q1-J1-E9.f1	nam(HMM:2e-06)
14870	7262_2.R1040.f2	nam(HMM:3.1e-06)
14871	33057_1.R1040.f2	nam(HMM:3.1e-20)
14872	LIB3092-007-Q1-K1-G3.f3	nam(HMM:3.3e-06)
14873	79728_1.R1040.f3	nam(HMM:3.4e-89)
14874	100436_2.R1040.f3	nam(HMM:3.5e-05)
14875	LIB3139-025-P1-N1-C11.f3	nam(HMM:3.6e-20)
14876	117417_1.R1040.f2	nam(HMM:3.7e-12)
14877	950_5.R1040.f2	nam(HMM:3.7e-82)
14878	jC-gmfl02220086d01a1.f3	nam(HMM:3.8e-14)
14879	LIB3051-016-Q1-E1-F9.f2	nam(HMM:3.8e-33)
14880	72499_1.R1040.f2	nam(HMM:3.9e-05)
14881	2459_1.R1040.f3	nam(HMM:3e-53)
14882	LIB3093-046-Q1-K1-A1.f2	nam(HMM:4.1e-07)
14883	5121_1.R1040.f1	nam(HMM:4.1e-08)
14884	4937_1.R1040.f2	nam(HMM:4.1e-80)
14885	LIB3093-017-Q1-K2-C2.f3	nam(HMM:4.2e-09)
14886	fua701042317.h1.f3	nam(HMM:4.4e-12)
14887	uC-gmrominsoy261a05b1.f3	nam(HMM:4.5e-50)
14888	zhf700963825.h1.f3	nam(HMM:4.6e-20)
14889	uC-gmflminsoy001f04b1.f1	nam(HMM:4.6e-21)
14890	221624_1.R1040.f3	nam(HMM:5.2e-08)
14891	crh700850986.h1.f3	nam(HMM:5.4e-08)
14892	5442_1.R1040.f2	nam(HMM:5.5e-09)
14893	LIB3056-003-Q1-N1-G7.f3	nam(HMM:5.5e-43)
14894	LIB3167-002-Q1-K1-D9.f2	nam(HMM:5.6e-25)
14895	4749_1.R1040.f2	nam(HMM:5.6e-84)
14896	rlr700896888.h1.f1	nam(HMM:5.7e-05)
14897	105492_1.R1040.f2	nam(HMM:5.7e-36)
14898	27026_1.R1040.f1	nam(HMM:5.8e-40)
14899	LIB3139-065-P1-N1-E3.f2	nam(HMM:5.9e-22)
14900	trc700567730.h1.f1	nam(HMM:5e-05)
14901	242869_1.R1040.f1	nam(HMM:6)
14902	LIB3106-060-Q1-K1-E1.f2	nam(HMM:6.2e-10)

14903	uC-gmrominsoy049d08b1.f2	nam(HMM:6.3e-28)
14904	153402_1.R1040.f2	nam(HMM:6.8e-09)
14905	LIB3170-078-Q1-K1-F10.f2	nam(HMM:6.9)
14906	LIB3092-045-Q1-K1-A10.f1	nam(HMM:7.2e-06)
14907	4301_1.R1040.f2	nam(HMM:7.4e-88)
14908	950_9.R1040.f3	nam(HMM:7.9e-35)
14909	5121_2.R1040.f2	nam(HMM:8.5e-78)
14910	21252_1.R1040.f2	nam(HMM:8.5e-84)
14911	LIB3139-106-P1-N1-C7.f1	nam(HMM:9.1e-10)
14912	uC-gmflminsoy052a04b1.f1	nam(HMM:9.1e-10)
14913	29741_1.R1040.f6	nam(HMM:9.3e-86)
14914	1957_4.R1040.f3	nam(HMM:9.6e-24)
14915	135443_1.R1040.f3	nap_family(HMM:0.00026)
14916	285699_1.R1040.f3	nap_family(HMM:1.1e-09)
14917	614_1.R1040.f3	nap_family(HMM:1.2e-141)
14918	614_2.R1040.f2	nap_family(HMM:1.8e-135)
14919	rlr700899387.h1.f1	nap_family(HMM:1.9e-07)
14920	614_4.R1040.f1	nap_family(HMM:2.4e-16)
14921	119899_1.R1040.f2	nap_family(HMM:2.6e-16)
14922	uC-gmrominsoy032d03b1.f3	nap_family(HMM:4.8e-24)
14923	6106_1.R1040.f2	nap_family(HMM:7.1e-05)
14924	13433_1.R1040.f2	nap_family(HMM:7.9e-10)
14925	uC-gmflminsoy034g10b1.f2	nap_family(HMM:9.7e-22)
14926	27490_1.R1040.f2	phd(HMM:0.00012)
14927	fua701042662.h1.f2	phd(HMM:0.00019)
14928	36243_1.R1040.f1	phd(HMM:0.00042)
14929	uC-gmflminsoy049c10b1.f1	phd(HMM:0.00057)
14930	193369_1.R1040.f1	phd(HMM:0.00092)
14931	143342_1.R1040.f1	phd(HMM:0.0011)
14932	26300_1.R1040.f2	phd(HMM:0.0012)
14933	17364_1.R1040.f2	phd(HMM:0.0098)
14934	283013_1.R1040.f1	phd(HMM:0.016)
14935	txt700735931.h1.f2	phd(HMM:0.057)
14936	105132_1.R1040.f2	phd(HMM:0.063)
14937	g5342387.f3	phd(HMM:0.066)
14938	44068_1.R1040.f3	phd(HMM:0.068)
14939	10868_1.R1040.f3	phd(HMM:0.079)
14940	170309_1.R1040.f3	phd(HMM:0.088)
14941	awf700840012.h1.f3	phd(HMM:0.1)
14942	178799_1.R1040.f1	phd(HMM:0.11)
14943	43239_1.R1040.f2	phd(HMM:0.11)
14944	177071_1.R1040.f3	phd(HMM:0.19)
14945	22589_1.R1040.f2	phd(HMM:0.25)
14946	kmv700738858.h1.f1	phd(HMM:0.32)
14947	92884_1.R1040.f6	phd(HMM:0.61)
14948	LIB3074-020-Q1-E1-F7.f2	phd(HMM:1.1e-06)
14949	gsv701051914.h1.f3	phd(HMM:1.2e-05)
14950	25649_1.R1040.f3	phd(HMM:1.2e-08)
14951	uC-gmrominsoy277f07b1.f2	phd(HMM:1.2e-08)
14952	28814_1.R1040.f1	"phd(HMM:1.2e-08),zf-c3hc4(HMM:0.0029)"
14953	187712_1.R1040.f1	phd(HMM:1.3)
14954	uC-gmronoir030c05b1.f1	phd(HMM:1.4e-05)
14955	199515_1.R1040.f4	phd(HMM:1.4e-07)

15010	6815_1.R1040.f2	response_reg(HMM:8.5e-15)
15011	48962_1.R1040.f2	response_reg(HMM:8.5e-16)
15012	wrg700792139.h1.f3	response_reg(HMM:9.1e-07)
15013	LIB3138-130-Q1-N1-B4.f1	response_reg(HMM:9.4e-05)
15014	241475_2.R1040.f1	sbpb(HMM:0.00018)
15015	LIB3093-052-Q1-K1-H5.f2	sbpb(HMM:0.00097)
15016	zpz700834064.h1.f2	sbpb(HMM:0.0011)
15017	96796_1.R1040.f2	sbpb(HMM:0.81)
15018	944_1.R1040.f1	sbpb(HMM:1.2e-41)
15019	txt700734849.h1.f1	sbpb(HMM:1.3e-38)
15020	271757_1.R1040.f1	sbpb(HMM:2.6e-19)
15021	25838_1.R1040.f3	sbpb(HMM:2.7e-42)
15022	zhf700959795.h1.f3	sbpb(HMM:3.1e-36)
15023	241475_1.R1040.f3	sbpb(HMM:3.8e-19)
15024	LIB3039-011-Q1-E1-G1.f1	sbpb(HMM:4.1)
15025	4787_1.R1040.f2	sbpb(HMM:4.5e-43)
15026	LIB3138-105-Q1-N1-F7.f2	sbpb(HMM:5.7e-06)
15027	244791_1.R1040.f2	scr(HMM:0.00034)
15028	17966_1.R1040.f3	scr(HMM:0.00069)
15029	101957_1.R1040.f2	scr(HMM:0.0023)
15030	142103_1.R1040.f1	scr(HMM:0.0034)
15031	48649_2.R1040.f1	scr(HMM:0.006)
15032	fC-gmfl700903946h1.f3	scr(HMM:0.007)
15033	LIB3106-102-Q1-K1-C2.f1	scr(HMM:0.0085)
15034	41704_1.R1040.f3	scr(HMM:0.015)
15035	jC-gmfl02220090c02d1.f3	scr(HMM:0.56)
15036	3547_1.R1040.f3	scr(HMM:1.1e-151)
15037	ncj700975650.h1.f3	scr(HMM:1.1e-31)
15038	121932_1.R1040.f3	scr(HMM:1.3e-06)
15039	43691_1.R1040.f1	scr(HMM:1.3e-09)
15040	80336_1.R1040.f1	scr(HMM:1.3e-22)
15041	285340_1.R1040.f2	scr(HMM:1.4e-05)
15042	8204_1.R1040.f2	scr(HMM:1.4e-08)
15043	wrg700789403.h2.f1	scr(HMM:1.4e-22)
15044	LIB3028-021-Q1-B1-B5.f2	scr(HMM:1.6e-10)
15045	19625_4.R1040.f1	scr(HMM:1.8e-09)
15046	81164_1.R1040.f1	scr(HMM:1.9e-106)
15047	1377_1.R1040.f3	scr(HMM:1.9e-49)
15048	19582_1.R1040.f2	scr(HMM:1e-14)
15049	rlr700900211.h1.f2	scr(HMM:2.1e-12)
15050	7491_1.R1040.f2	scr(HMM:2.1e-13)
15051	108854_1.R1040.f2	scr(HMM:2.3e-11)
15052	19625_2.R1040.f3	scr(HMM:2.3e-11)
15053	wrg700789643.h2.f2	scr(HMM:2.4e-06)
15054	jex700908128.h1.f2	scr(HMM:2.4e-08)
15055	19737_1.R1040.f2	scr(HMM:2.4e-13)
15056	102573_1.R1040.f2	scr(HMM:2.4e-47)
15057	33972_1.R1040.f3	scr(HMM:2.5e-74)
15058	jex700904893.h1.f3	scr(HMM:2.6e-10)
15059	48649_1.R1040.f1	scr(HMM:2.6e-164)
15060	103055_1.R1040.f1	scr(HMM:2.8e-06)
15061	kll701204934.h1.f1	scr(HMM:2e-09)
15062	vwf700676535.h1.f2	scr(HMM:3.1e-15)
15063	102345_1.R1040.f1	scr(HMM:3.2e-13)

15064	sat701009339.h1.f2	scr(HMM:3.4e-25)
15065	76507_1.R1040.f2	scr(HMM:3.7e-24)
15066	27377_1.R1040.f2	scr(HMM:3.8)
15067	LIB3138-015-Q1-N1-D12.f2	scr(HMM:3.8e-26)
15068	g4292932.f3	scr(HMM:3.9)
15069	19905_1.R1040.f2	scr(HMM:3.9e-08)
15070	12831_1.R1040.f3	scr(HMM:4.1e-121)
15071	76513_1.R1040.f2	scr(HMM:4.1e-60)
15072	hrw701060534.h1.f3	scr(HMM:4.2e-37)
15073	78501_1.R1040.f1	scr(HMM:4.6e-08)
15074	awf700837816.h1.f3	scr(HMM:4.9e-20)
15075	fua701043180.h1.f1	scr(HMM:4.9e-29)
15076	eep700867665.h1.f2	scr(HMM:4e-05)
15077	uC-gmrominsoy171c07b1.f1	scr(HMM:6.7e-06)
15078	dpv701099003.h1.f3	scr(HMM:6.7e-27)
15079	25740_1.R1040.f1	scr(HMM:6.8e-08)
15080	58336_1.R1040.f1	scr(HMM:6.8e-20)
15081	310076_1.R1040.f1	scr(HMM:7.1e-08)
15082	LIB3051-047-Q1-K1-H7.f1	scr(HMM:7.1e-15)
15083	27171_1.R1040.f2	scr(HMM:7.8e-127)
15084	zzp700831503.h1.f4	scr(HMM:7.9e-08)
15085	344207_1.R1040.f1	scr(HMM:8.1e-06)
15086	47105_4.R1040.f1	scr(HMM:8.1e-15)
15087	zzp700830681.h1.f3	scr(HMM:8.4e-05)
15088	49946_1.R1040.f3	scr(HMM:8.8e-15)
15089	xpa700795232.h1.f3	scr(HMM:9.3e-14)
15090	12169_1.R1040.f2	set(HMM:0.00026)
15091	pxt700942511.h1.f2	set(HMM:0.0013)
15092	285750_1.R1040.f2	set(HMM:0.002)
15093	wrg700790260.h2.f1	set(HMM:0.44)
15094	LIB3051-019-Q1-E1-F3.f2	set(HMM:1.2e-08)
15095	141239_1.R1040.f1	set(HMM:1.3)
15096	75558_1.R1040.f1	set(HMM:1.5e-43)
15097	uC-gmrominsoy039d12b1.f1	set(HMM:1.6e-05)
15098	70310_1.R1040.f2	set(HMM:2.3e-05)
15099	g5753642.f3	set(HMM:2.7e-21)
15100	341694_1.R1040.f3	set(HMM:2e-12)
15101	23495_1.R1040.f3	set(HMM:5.5e-05)
15102	54288_1.R1040.f3	set(HMM:6.7e-05)
15103	LIB3049-034-Q1-E1-G9.f1	set(HMM:7.3)
15104	LIB3106-079-P1-K1-D1.f3	set(HMM:7.5e-10)
15105	pxt700944139.h1.f1	set(HMM:7.8e-12)
15106	74446_1.R1040.f1	set(HMM:7.9e-43)
15107	zzp700835731.h1.f2	set(HMM:8.3e-09)
15108	75008_1.R1040.f3	set(HMM:8.4)
15109	zhf700961475.h1.f2	snf2_n(HMM:0.00023)
15110	leu701148244.h1.f1	snf2_n(HMM:0.00028)
15111	wrg700787754.h2.f2	snf2_n(HMM:0.0071)
15112	uC-gmropic021h02b1.f3	snf2_n(HMM:0.037)
15113	56644_1.R1040.f1	snf2_n(HMM:0.041)
15114	LIB3170-081-Q1-J1-C11.f6	snf2_n(HMM:0.042)
15115	142237_1.R1040.f2	snf2_n(HMM:0.86)
15116	174356_1.R1040.f2	snf2_n(HMM:1.1e-08)
15117	zhf700953331.h1.f2	snf2_n(HMM:1.1e-29)

15118	34522_1.R1040.f3	snf2_n(HMM:1.2e-08)
15119	ssr700560171.h1.f3	snf2_n(HMM:1.2e-11)
15120	zhf700962560.h1.f1	snf2_n(HMM:1.3e-05)
15121	uC-gmrominsoyl42a11b1.f2	snf2_n(HMM:1.4e-06)
15122	12919_1.R1040.f4	snf2_n(HMM:1.5e-80)
15123	hyd700727294.h1.f1	snf2_n(HMM:1.6e-06)
15124	uC-gmropic080c08b1.f2	snf2_n(HMM:1.6e-22)
15125	102051_1.R1040.f3	snf2_n(HMM:2.4e-05)
15126	150830_1.R1040.f1	"snf2_n(HMM:2.5e-05),zf- c3hc4(HMM:7.3e-06)"
15127	wvk700686576.h1.f2	snf2_n(HMM:2.5e-09)
15128	kll701210128.h1.f2	snf2_n(HMM:2.5e-12)
15129	uxk700672450.h1.f1	snf2_n(HMM:3.1)
15130	sat701010777.h1.f2	snf2_n(HMM:4.4e-09)
15131	356297_1.R1040.f2	snf2_n(HMM:4.5e-12)
15132	uC-gmropic071b06b1.f1	snf2_n(HMM:6.2e-10)
15133	214744_1.R1040.f1	snf2_n(HMM:6.5e-12)
15134	ssr700558535.h1.f1	snf2_n(HMM:7.1e-06)
15135	jC-gmfl02220067h09a1.f3	snf2_n(HMM:7.3e-05)
15136	dpv701101675.h1.f2	snf2_n(HMM:7.3e-13)
15137	148395_1.R1040.f3	srf-tf(HMM:0.0059)
15138	43586_3.R1040.f3	srf-tf(HMM:0.12)
15139	3094_6.R1040.f4	srf-tf(HMM:1.1e-06)
15140	142733_2.R1040.f2	srf-tf(HMM:1.3e-15)
15141	186835_1.R1040.f2	srf-tf(HMM:1.3e-15)
15142	376035_1.R1040.f3	srf-tf(HMM:1.3e-35)
15143	1575_3.R1040.f2	srf-tf(HMM:1.3e-36)
15144	zhf700958586.h1.f3	srf-tf(HMM:1.3e-37)
15145	LIB3109-002-Q1-K1-F11.f3	srf-tf(HMM:1.4e-24)
15146	jC-gmro02910037d08a1.f1	srf-tf(HMM:1.5e-10)
15147	pmv700889004.h1.f3	srf-tf(HMM:1.5e-10)
15148	15223_2.R1040.f3	srf-tf(HMM:1.7e-16)
15149	148098_1.R1040.f3	srf-tf(HMM:1.7e-35)
15150	kll701212768.h1.f1	srf-tf(HMM:1.8e-14)
15151	21472_1.R1040.f3	srf-tf(HMM:2.1e-31)
15152	LIB3027-008-Q1-B1-E1.f1	srf-tf(HMM:2.1e-37)
15153	25698_1.R1040.f2	srf-tf(HMM:2.3e-22)
15154	LIB3065-005-Q1-N1-B11.f2	srf-tf(HMM:2.4)
15155	3077_1.R1040.f3	srf-tf(HMM:2.4e-37)
15156	4672_1.R1040.f3	srf-tf(HMM:2.6e-35)
15157	vzy700754169.h1.f1	srf-tf(HMM:3.1e-19)
15158	ncj700979179.h1.f1	srf-tf(HMM:3.2e-16)
15159	216137_1.R1040.f2	srf-tf(HMM:3.4e-06)
15160	82602_1.R1040.f1	srf-tf(HMM:3.9e-31)
15161	43586_4.R1040.f2	srf-tf(HMM:3e-23)
15162	g4293793.f3	srf-tf(HMM:3e-35)
15163	LIB3107-078-Q1-K1-H7.f3	srf-tf(HMM:4.1e-30)
15164	1576_2.R1040.f1	srf-tf(HMM:4.3e-37)
15165	3077_2.R1040.f1	srf-tf(HMM:4.8e-21)
15166	LIB3093-027-Q1-K1-E9.f2	srf-tf(HMM:4.9e-10)
15167	6994_1.R1040.f1	srf-tf(HMM:4e-09)
15168	leu701147176.h1.f6	srf-tf(HMM:5.2e-25)
15169	81673_1.R1040.f1	srf-tf(HMM:5.3e-35)
15170	156980_1.R1040.f1	srf-tf(HMM:5.6e-05)

15171	46096_1.R1040.f2	srf-tf(HMM:5.7e-13)
15172	LIB3109-031-Q1-K1-F1.f3	srf-tf(HMM:6.1e-35)
15173	35441_2.R1040.f3	srf-tf(HMM:6.3e-15)
15174	kl1701214813.h1.f3	srf-tf(HMM:6.9e-18)
15175	128341_2.R1040.f3	srf-tf(HMM:7.1e-25)
15176	59748_1.R1040.f3	srf-tf(HMM:7.2e-26)
15177	pcp700994373.h1.f3	srf-tf(HMM:7.2e-33)
15178	15477_1.R1040.f2	srf-tf(HMM:7.8e-27)
15179	32643_2.R1040.f1	srf-tf(HMM:8e-36)
15180	epx701108616.h1.f3	srf-tf(HMM:8e-37)
15181	trc700567764.h1.f2	tbp(HMM:0.002)
15182	dpr701100555.h1.f2	tbp(HMM:0.0086)
15183	617_2.R1040.f3	tbp(HMM:1.3e-18)
15184	48606_1.R1040.f2	tbp(HMM:1.3e-44)
15185	617_1.R1040.f3	tbp(HMM:3e-81)
15186	LIB3138-088-P1-N1-C6.f3	teo(HMM:0.00014)
15187	zhf700956403.h1.f1	teo(HMM:0.003)
15188	g4292721.f2	teo(HMM:0.0033)
15189	102330_1.R1040.f6	teo(HMM:0.013)
15190	LIB3093-012-Q1-K1-E3.f2	teo(HMM:0.051)
15191	g5606956.f2	teo(HMM:1.4e-25)
15192	jC-gmle01810063f05a1.f1	teo(HMM:1.5e-22)
15193	uC-gmflminsoy099a08b1.f3	teo(HMM:1.6e-21)
15194	5448_2.R1040.f1	teo(HMM:1.6e-35)
15195	5448_3.R1040.f3	teo(HMM:1.6e-35)
15196	LIB3106-019-Q1-K1-B7.f1	teo(HMM:1.7e-33)
15197	5448_6.R1040.f1	teo(HMM:1.7e-34)
15198	hyd700725110.h1.f2	teo(HMM:5.3)
15199	183520_1.R1040.f2	teo(HMM:5.7e-05)
15200	hyd700729312.h1.f2	teo(HMM:6.1)
15201	awf700837637.h1.f1	teo(HMM:6.2e-07)
15202	vwf700679824.h1.f1	teo(HMM:6.5e)
15203	vzy700756889.h1.f3	teo(HMM:6.6e-
15204	60123_1.R1040.f1	teo(HMM:6.8e-)
15205	33770_1.R1040.f3	teo(HMM:7.4e-38)
15206	9933_1.R1040.f3	teo(HMM:8.7e-13)
15207	60123_2.R1040.f3	teo(HMM:9.7e-37)
15208	10561_1.R1040.f1	tflis(HMM:5.3e-07)
15209	465_1.R1040.f3	transcript_fa(M:1.3e-58)
15210	bth700843928.h1.f1	transcript_f(M:3.1e-10)
15211	68771_1.R1040.f3	transcript(M:4.9e-17)
15212	pcp700995421.h1.f2	(HMM:0.00017)
15213	17983_1.R1040.f3	(HMM:0.00019)
15214	128010_1.R1040.f1	trihelix(HMM:0.00037)
15215	209142_1.R1040.f2	trihelix(HMM:0.00052)
15216	jC-gmst02400026g10d1.f6	trihelix(HMM:0.0014)
15217	seb700653894.h1.f1	trihelix(HMM:0.0035)
15218	12115_1.R1040.f1	trihelix(HMM:0.0043)
15219	pxt700946369.h1.f1	trihelix(HMM:0.026)
15220	eep700870423.h1.f2	trihelix(HMM:0.04)
15221	wrg700787666.h2.f1	trihelix(HMM:0.091)
15222	47689_1.R1040.f2	trihelix(HMM:0.96)
15223	epx701105054.h1.f2	trihelix(HMM:1.1)
15224	jC-gmfl02220053d12a1.f2	trihelix(HMM:1.1e-10)

15279	49557_1.R1040.f1	wrky(HMM:1.6e-40)
15280	180690_1.R1040.f2	wrky(HMM:1.8e-06)
15281	210287_1.R1040.f3	wrky(HMM:1.8e-30)
15282	62859_1.R1040.f1	wrky(HMM:1.9e-44)
15283	LIB3050-011-Q1-E1-A10.f2	wrky(HMM:2.1e-28)
15284	106626_1.R1040.f2	wrky(HMM:2.1e-33)
15285	271883_1.R1040.f3	wrky(HMM:2.2e-90)
15286	28599_1.R1040.f3	wrky(HMM:2.3e-35)
15287	jex700906508.h1.f2	wrky(HMM:2.4e-29)
15288	txt700732134.h1.f2	wrky(HMM:2.5)
15289	33911_2.R1040.f1	wrky(HMM:2e-16)
15290	92768_1.R1040.f4	wrky(HMM:3.3e-41)
15291	15043_1.R1040.f2	wrky(HMM:3.3e-44)
15292	zsg701123986.h1.f1	wrky(HMM:3.4)
15293	2719_1.R1040.f1	wrky(HMM:3.4e-39)
15294	33911_1.R1040.f3	wrky(HMM:3.6e-41)
15295	fde700874291.h1.f1	wrky(HMM:3.8e-06)
15296	20857_1.R1040.f3	wrky(HMM:3.9e-13)
15297	LIB3050-015-Q1-E1-F6.f2	wrky(HMM:3e-06)
15298	jC-gmro02910037c12a1.f2	wrky(HMM:4.2e-32)
15299	23922_3.R1040.f1	wrky(HMM:4.2e-42)
15300	149364_1.R1040.f2	wrky(HMM:4.3e-06)
15301	zsg701123055.h1.f1	wrky(HMM:4.3e-06)
15302	78602_1.R1040.f2	wrky(HMM:4.5e-39)
15303	6HC-01-Q1-E1-B11.f5	wrky(HMM:4.6e-23)
15304	LIB3051-037-Q1-K1-F6.f3	wrky(HMM:4.6e-36)
15305	123589_1.R1040.f2	wrky(HMM:4.6e-42)
15306	20319_6.R1040.f2	wrky(HMM:4.9e-24)
15307	10864_1.R1040.f2	wrky(HMM:4e-23)
15308	83624_1.R1040.f1	wrky(HMM:6.2e-33)
15309	zzp700832484.h1.f1	wrky(HMM:6.4e-06)
15310	16828_1.R1040.f2	wrky(HMM:6.8e-34)
15311	175077_1.R1040.f1	wrky(HMM:6e-35)
15312	26397_1.R1040.f3	wrky(HMM:7.1e-39)
15313	gsv701056828.h1.f3	wrky(HMM:7.2e-41)
15314	LIB3106-049-Q1-K1-E3.f3	wrky(HMM:7.3e-32)
15315	32018_1.R1040.f2	wrky(HMM:7.6e-23)
15316	xpa700796339.h1.f2	wrky(HMM:7.7)
15317	26104_2.R1040.f1	wrky(HMM:7.8e-34)
15318	248615_1.R1040.f2	wrky(HMM:8.4e-38)
15319	203592_1.R1040.f2	wrky(HMM:8.5e-18)
15320	271883_1.R1040.f2	wrky(HMM:8.6e-18)
15321	28262_1.R1040.f1	wrky(HMM:8.8e-30)
15322	hrw701058294.h1.f1	wrky(HMM:9.8e-08)
15323	LIB3028-028-Q1-B1-G1.f1	"zf-b_box(HMM:0.00026),zf-constans(HMM:4.4e-35)"
15324	zhf700956765.h1.f2	"zf-b_box(HMM:0.00039),zf-constans(HMM:6.1e-18)"
15325	5359_1.R1040.f3	"zf-b_box(HMM:0.0018),zf-constans(HMM:1.9e-15)"
15326	80526_1.R1040.f1	"zf-b_box(HMM:0.0037),zf-constans(HMM:3.4e-35)"
15327	24008_1.R1040.f1	"zf-b_box(HMM:0.0051),zf-constans(HMM:4.7e-36)"

15328	63519_2.R1040.f1	"zf-b_box(HMM:0.0088),zf-constans(HMM:2.4e-31)"
15329	32727_1.R1040.f2	"zf-b_box(HMM:0.011),zf-constans(HMM:5.3e-42)"
15330	crh700850745.h1.f2	"zf-b_box(HMM:0.012),zf-constans(HMM:2.3e-18)"
15331	zhf700953734.h1.f2	"zf-b_box(HMM:0.012),zf-constans(HMM:2.3e-18)"
15332	6465_1.R1040.f1	"zf-b_box(HMM:0.028),zf-constans(HMM:1.6e-38)"
15333	84114_1.R1040.f2	"zf-b_box(HMM:0.03),zf-constans(HMM:1.3e-16)"
15334	32727_2.R1040.f3	"zf-b_box(HMM:0.032),zf-constans(HMM:2.9e-40)"
15335	100383_1.R1040.f1	"zf-b_box(HMM:0.035),zf-constans(HMM:1.1e-17)"
15336	32876_1.R1040.f1	"zf-b_box(HMM:0.036),zf-constans(HMM:6.3e-32)"
15337	153249_1.R1040.f1	"zf-b_box(HMM:0.052),zf-constans(HMM:1.1e-09)"
15338	100881_1.R1040.f1	"zf-b_box(HMM:0.054),zf-constans(HMM:5.7e-32)"
15339	fde700875533.h1.f3	"zf-b_box(HMM:0.057),zf-constans(HMM:1.7e-19)"
15340	102998_1.R1040.f1	"zf-b_box(HMM:0.088),zf-constans(HMM:7.1e-09)"
15341	58708_1.R1040.f3	"zf-b_box(HMM:0.094),zf-constans(HMM:9.4e-16)"
15342	4668_1.R1040.f2	zf-c2h2(HMM:0.00019)
15343	LIB3109-031-Q1-K1-F7.f3	zf-c2h2(HMM:0.00019)
15344	LIB3170-022-Q1-J1-A2.f6	zf-c2h2(HMM:0.00079)
15345	35151_1.R1040.f2	zf-c2h2(HMM:0.0012)
15346	46470_1.R1040.f3	zf-c2h2(HMM:0.0012)
15347	46470_2.R1040.f3	zf-c2h2(HMM:0.0012)
15348	126225_1.R1040.f2	zf-c2h2(HMM:0.0013)
15349	jC-gmle01810062b01a1.f2	zf-c2h2(HMM:0.0014)
15350	320112_1.R1040.f1	zf-c2h2(HMM:0.0019)
15351	15701_1.R1040.f2	zf-c2h2(HMM:0.0022)
15352	185045_1.R1040.f1	zf-c2h2(HMM:0.0024)
15353	LIB3170-040-Q1-K1-G1.f1	zf-c2h2(HMM:0.0024)
15354	uC-gmrominsoy308h08b1.f3	zf-c2h2(HMM:0.0024)
15355	LIB3051-092-Q1-K1-C4.f2	zf-c2h2(HMM:0.0039)
15356	wvk700686436.h1.f1	zf-c2h2(HMM:0.0056)
15357	uC-gmrominsoy187h05b1.f2	zf-c2h2(HMM:0.008)
15358	62724_2.R1040.f1	zf-c2h2(HMM:0.0089)
15359	kmv700743676.h1.f1	zf-c2h2(HMM:0.0097)
15360	737_3.R1040.f2	zf-c2h2(HMM:0.011)
15361	jC-gmro02910037d11a1.f2	zf-c2h2(HMM:0.012)
15362	139232_2.R1040.f3	zf-c2h2(HMM:0.016)
15363	18028_1.R1040.f1	zf-c2h2(HMM:0.017)
15364	7478_2.R1040.f2	zf-c2h2(HMM:0.018)
15365	18923_1.R1040.f3	zf-c2h2(HMM:0.023)
15366	LIB3106-015-Q1-K1-B6.f1	zf-c2h2(HMM:0.03)
15367	sat701008812.h1.f3	zf-c2h2(HMM:0.061)

15368	20563_1.R1040.f1	zf-c2h2(HMM:0.062)
15369	34772_1.R1040.f3	zf-c2h2(HMM:0.063)
15370	354384_1.R1040.f2	zf-c2h2(HMM:0.064)
15371	7378_1.R1040.f1	zf-c2h2(HMM:0.066)
15372	uC-gmronoir015a12b1.f3	zf-c2h2(HMM:0.078)
15373	7378_2.R1040.f2	zf-c2h2(HMM:0.1)
15374	gsv701051411.h1.f3	zf-c2h2(HMM:1.2e-05)
15375	7478_1.R1040.f2	zf-c2h2(HMM:1.2e-07)
15376	737_2.R1040.f2	zf-c2h2(HMM:1.4e-09)
15377	uC-gmropic056a03b1.f3	zf-c2h2(HMM:1.5e-06)
15378	uC-gmropic061b05b1.f3	zf-c2h2(HMM:1.5e-06)
15379	18489_1.R1040.f1	zf-c2h2(HMM:1.7e-30)
15380	18791_1.R1040.f1	zf-c2h2(HMM:2.7e-08)
15381	uC-gmropic109h12b1.f1	zf-c2h2(HMM:2.9e-13)
15382	153_2.R1040.f3	zf-c2h2(HMM:2e-07)
15383	737_1.R1040.f1	zf-c2h2(HMM:4.9e-09)
15384	153_1.R1040.f2	zf-c2h2(HMM:5.3e-07)
15385	30114_1.R1040.f1	zf-c2h2(HMM:6.1e-07)
15386	jC-gmfl02220053d11a1.f2	zf-c2h2(HMM:6.7e-07)
15387	65816_1.R1040.f2	zf-c2h2(HMM:9.6e-08)
15388	trc700565874.h1.f1	zf-c3hc4(HMM:0.0001)
15389	LIB3051-009-Q1-E1-E7.f3	zf-c3hc4(HMM:0.00011)
15390	kl1701205427.h1.f1	zf-c3hc4(HMM:0.00012)
15391	273_25.R1040.f2	zf-c3hc4(HMM:0.00013)
15392	185394_1.R1040.f1	zf-c3hc4(HMM:0.0002)
15393	crh700851994.h1.f1	zf-c3hc4(HMM:0.00024)
15394	231037_1.R1040.f3	zf-c3hc4(HMM:0.00025)
15395	35616_1.R1040.f2	zf-c3hc4(HMM:0.00043)
15396	68597_1.R1040.f1	zf-c3hc4(HMM:0.00045)
15397	dpv701097117.h1.f2	zf-c3hc4(HMM:0.00053)
15398	46383_1.R1040.f1	zf-c3hc4(HMM:0.00063)
15399	26577_1.R1040.f3	zf-c3hc4(HMM:0.00072)
15400	86699_1.R1040.f4	zf-c3hc4(HMM:0.00088)
15401	132183_1.R1040.f3	zf-c3hc4(HMM:0.0011)
15402	LIB3051-030-Q1-K1-G5.f2	zf-c3hc4(HMM:0.0012)
15403	uC-gmropic009b09b1.f1	zf-c3hc4(HMM:0.0013)
15404	54776_1.R1040.f3	zf-c3hc4(HMM:0.0016)
15405	LIB3139-031-P1-N1-H3.f3	zf-c3hc4(HMM:0.003)
15406	79907_1.R1040.f3	zf-c3hc4(HMM:0.0031)
15407	jC-gmle01810054b09a1.f2	zf-c3hc4(HMM:0.0032)
15408	g4314048.f1	zf-c3hc4(HMM:0.0034)
15409	119_4.R1040.f1	zf-c3hc4(HMM:0.0035)
15410	310511_1.R1040.f6	zf-c3hc4(HMM:0.0036)
15411	6551_1.R1040.f3	zf-c3hc4(HMM:0.0037)
15412	crh700853019.h1.f3	zf-c3hc4(HMM:0.0041)
15413	LIB3170-029-Q1-J1-B11.f5	zf-c3hc4(HMM:0.005)
15414	171917_1.R1040.f1	zf-c3hc4(HMM:0.0058)
15415	42612_1.R1040.f2	zf-c3hc4(HMM:0.0068)
15416	smc700745011.h1.f2	zf-c3hc4(HMM:0.0071)
15417	26812_2.R1040.f3	zf-c3hc4(HMM:0.0077)
15418	99235_1.R1040.f6	zf-c3hc4(HMM:0.0079)
15419	42381_1.R1040.f2	zf-c3hc4(HMM:0.008)
15420	jC-gmst02400060f04d1.f4	zf-c3hc4(HMM:0.009)
15421	19842_1.R1040.f1	zf-c3hc4(HMM:0.0098)

15422	19150_1.R1040.f3	zf-c3hc4(HMM:0.011)
15423	29230_1.R1040.f2	zf-c3hc4(HMM:0.011)
15424	15218_1.R1040.f2	zf-c3hc4(HMM:0.012)
15425	15218_2.R1040.f3	zf-c3hc4(HMM:0.012)
15426	103882_1.R1040.f3	zf-c3hc4(HMM:0.013)
15427	uC-gmrominsoy176h07b1.fl	zf-c3hc4(HMM:0.013)
15428	161466_1.R1040.f2	zf-c3hc4(HMM:0.015)
15429	292889_1.R1040.f1	zf-c3hc4(HMM:0.016)
15430	21450_1.R1040.f2	zf-c3hc4(HMM:0.017)
15431	16293_1.R1040.f1	zf-c3hc4(HMM:0.018)
15432	60756_1.R1040.f3	zf-c3hc4(HMM:0.02)
15433	194900_2.R1040.f1	zf-c3hc4(HMM:0.021)
15434	59077_1.R1040.f2	zf-c3hc4(HMM:0.021)
15435	3108_1.R1040.f3	zf-c3hc4(HMM:0.024)
15436	57367_1.R1040.f3	zf-c3hc4(HMM:0.025)
15437	132981_1.R1040.f1	zf-c3hc4(HMM:0.026)
15438	26812_1.R1040.f3	zf-c3hc4(HMM:0.026)
15439	36241_1.R1040.f2	zf-c3hc4(HMM:0.027)
15440	LIB3106-064-Q1-K1-C12.f2	zf-c3hc4(HMM:0.03)
15441	gsv701050091.h1.f2	zf-c3hc4(HMM:0.031)
15442	116974_1.R1040.f2	zf-c3hc4(HMM:0.035)
15443	pxt700944140.h1.f1	zf-c3hc4(HMM:0.036)
15444	170870_1.R1040.f1	zf-c3hc4(HMM:0.042)
15445	2079_1.R1040.f1	zf-c3hc4(HMM:0.055)
15446	LIB3039-011-Q1-E1-A9.f1	zf-c3hc4(HMM:0.065)
15447	LIB3050-022-Q1-K1-F8.f1	zf-c3hc4(HMM:0.065)
15448	45639_1.R1040.f2	"zf-c3hc4(HMM:0.07),zz(HMM:1e-05)"
15449	4147_1.R1040.f2	zf-c3hc4(HMM:0.075)
15450	7073_1.R1040.f3	zf-c3hc4(HMM:0.091)
15451	99503_1.R1040.f2	zf-c3hc4(HMM:0.14)
15452	27215_1.R1040.f2	zf-c3hc4(HMM:0.15)
15453	2719_3.R1040.f1	zf-c3hc4(HMM:0.15)
15454	LIB3093-047-Q1-K1-B9.f1	zf-c3hc4(HMM:0.18)
15455	LIB3139-037-P1-N1-B3.f3	zf-c3hc4(HMM:0.18)
15456	194157_1.R1040.f3	zf-c3hc4(HMM:0.24)
15457	LIB3087-010-Q1-K1-D12.f3	zf-c3hc4(HMM:0.33)
15458	kl1701205017.h1.f5	zf-c3hc4(HMM:0.4)
15459	122_7.R1040.f4	zf-c3hc4(HMM:0.44)
15460	122_8.R1040.f5	zf-c3hc4(HMM:0.44)
15461	122_9.R1040.f4	zf-c3hc4(HMM:0.44)
15462	71978_1.R1040.f1	zf-c3hc4(HMM:0.5)
15463	fde700875744.h1.f2	zf-c3hc4(HMM:0.69)
15464	asn701142328.h1.f5	zf-c3hc4(HMM:1.1)
15465	279503_1.R1040.f3	zf-c3hc4(HMM:1.1e-05)
15466	1667_1.R1040.f1	zf-c3hc4(HMM:1.1e-08)
15467	25430_1.R1040.f3	zf-c3hc4(HMM:1.1e-08)
15468	47467_1.R1040.f1	zf-c3hc4(HMM:1.2e-09)
15469	47336_6.R1040.f2	zf-c3hc4(HMM:1.2e-09)
15470	LIB3106-067-P1-K1-B9.f1	zf-c3hc4(HMM:1.2e-09)
15471	82187_1.R1040.f2	zf-c3hc4(HMM:1.2e-10)
15472	167545_1.R1040.f1	zf-c3hc4(HMM:1.3e-10)
15473	260713_1.R1040.f1	zf-c3hc4(HMM:1.3e-12)

15474	27599_1.R1040.f3	zf-c3hc4(HMM:1.4e-08)
15475	285676_1.R1040.f1	zf-c3hc4(HMM:1.4e-11)
15476	28688_1.R1040.f2	zf-c3hc4(HMM:1.6e-05)
15477	LIB3050-004-Q1-E1-E5.f1	zf-c3hc4(HMM:1.6e-07)
15478	pxt700946025.h1.f3	zf-c3hc4(HMM:1.7e-09)
15479	awf700842735.h1.f1	zf-c3hc4(HMM:1.7e-10)
15480	21692_1.R1040.f2	zf-c3hc4(HMM:1.8e-07)
15481	174089_1.R1040.f1	zf-c3hc4(HMM:1.9e-10)
15482	28062_1.R1040.f2	zf-c3hc4(HMM:1.9e-10)
15483	81412_1.R1040.f1	zf-c3hc4(HMM:1e-09)
15484	33145_1.R1040.f3	zf-c3hc4(HMM:2.1e-11)
15485	smc700749192.h1.f2	zf-c3hc4(HMM:2.2e-06)
15486	48122_1.R1040.f1	zf-c3hc4(HMM:2.2e-08)
15487	30158_1.R1040.f1	zf-c3hc4(HMM:2.4e-10)
15488	9815_1.R1040.f1	zf-c3hc4(HMM:2.4e-11)
15489	47105_3.R1040.f2	zf-c3hc4(HMM:2.5e-07)
15490	1991_2.R1040.f2	zf-c3hc4(HMM:2.5e-08)
15491	315949_1.R1040.f4	zf-c3hc4(HMM:2.6e-05)
15492	188190_1.R1040.f2	zf-c3hc4(HMM:2.6e-07)
15493	45919_1.R1040.f2	zf-c3hc4(HMM:2.6e-09)
15494	106140_1.R1040.f3	zf-c3hc4(HMM:2.7e-05)
15495	236942_1.R1040.f1	zf-c3hc4(HMM:2.7e-05)
15496	uC-gmronoir043d12b1.f2	zf-c3hc4(HMM:2.7e-10)
15497	1827_2.R1040.f6	zf-c3hc4(HMM:2.8e-06)
15498	1886_1.R1040.f1	zf-c3hc4(HMM:2.8e-09)
15499	231498_1.R1040.f2	zf-c3hc4(HMM:2.9e-12)
15500	3816_1.R1040.f3	zf-c3hc4(HMM:2.9e-12)
15501	78700_1.R1040.f2	zf-c3hc4(HMM:2.9e-12)
15502	jC-gmfl02220073g06d1.f5	zf-c3hc4(HMM:2e-09)
15503	194900_1.R1040.f1	zf-c3hc4(HMM:2e-10)
15504	494_1.R1040.f3	zf-c3hc4(HMM:3.1e-12)
15505	26018_1.R1040.f2	zf-c3hc4(HMM:3.2e-06)
15506	28804_1.R1040.f2	zf-c3hc4(HMM:3.2e-08)
15507	4147_2.R1040.f1	zf-c3hc4(HMM:3.2e-10)
15508	188798_1.R1040.f2	zf-c3hc4(HMM:3.3e-08)
15509	seb700651467.h1.f3	zf-c3hc4(HMM:3.3e-10)
15510	sat701008075.h1.f1	zf-c3hc4(HMM:3.4e-05)
15511	jC-gmro02910025g05a1.f5	zf-c3hc4(HMM:3.4e-10)
15512	46782_1.R1040.f3	zf-c3hc4(HMM:3.4e-12)
15513	236721_1.R1040.f3	zf-c3hc4(HMM:3.5e-13)
15514	78701_1.R1040.f3	zf-c3hc4(HMM:3.6e-08)
15515	33941_1.R1040.f2	zf-c3hc4(HMM:3.6e-11)
15516	26895_1.R1040.f1	zf-c3hc4(HMM:3.8e-07)
15517	3772_1.R1040.f2	zf-c3hc4(HMM:3.8e-09)
15518	81883_1.R1040.f2	zf-c3hc4(HMM:3.8e-10)
15519	188211_1.R1040.f3	zf-c3hc4(HMM:3e-06)
15520	48257_1.R1040.f2	zf-c3hc4(HMM:3e-06)
15521	5003_1.R1040.f3	zf-c3hc4(HMM:3e-09)
15522	LIB3051-014-Q1-E1-A8.f1	zf-c3hc4(HMM:3e-09)
15523	122_11.R1040.f6	zf-c3hc4(HMM:4.1)
15524	g4298640.f4	zf-c3hc4(HMM:4.2e-11)
15525	uC-gmrominsoy111a03b1.f3	zf-c3hc4(HMM:4.3e-07)
15526	18447_1.R1040.f3	zf-c3hc4(HMM:4.3e-09)
15527	LIB3138-015-Q1-N2-E3.f3	zf-c3hc4(HMM:4.4e-09)

15528	ssr700555461.h1.f3	zf-c3hc4(HMM:4.4e-10)
15529	uC-gmflminsoy027c02b1.f6	zf-c3hc4(HMM:4.4e-12)
15530	vwf700678783.h1.f3	zf-c3hc4(HMM:4.4e-12)
15531	3816_2.R1040.f3	zf-c3hc4(HMM:4.7e-11)
15532	382296_1.R1040.f1	zf-c3hc4(HMM:4.7e-11)
15533	13937_1.R1040.f2	zf-c3hc4(HMM:4.8e-10)
15534	312156_1.R1040.f1	zf-c3hc4(HMM:4.8e-12)
15535	16576_1.R1040.f3	zf-c3hc4(HMM:4.9e-05)
15536	LIB3170-060-Q1-J1-A6.f5	zf-c3hc4(HMM:4.9e-08)
15537	1065_1.R1040.f4	zf-c3hc4(HMM:4e-06)
15538	307024_1.R1040.f6	zf-c3hc4(HMM:4e-09)
15539	jC-gmro02910019e01d1.f6	zf-c3hc4(HMM:5.3e-07)
15540	1886_5.R1040.f3	zf-c3hc4(HMM:5.3e-10)
15541	1886_6.R1040.f1	zf-c3hc4(HMM:5.3e-10)
15542	g4297795.f5	zf-c3hc4(HMM:5.3e-10)
15543	jC-gmfl02220056d04a1.f1	zf-c3hc4(HMM:5.3e-10)
15544	jC-gmro02910027e02d1.f5	zf-c3hc4(HMM:5.4e-10)
15545	21464_1.R1040.f3	zf-c3hc4(HMM:5.4e-12)
15546	21464_3.R1040.f1	zf-c3hc4(HMM:5.4e-12)
15547	62774_1.R1040.f1	zf-c3hc4(HMM:5.6e-09)
15548	296435_1.R1040.f3	zf-c3hc4(HMM:5.6e-11)
15549	42176_1.R1040.f1	zf-c3hc4(HMM:5.7e-10)
15550	151455_1.R1040.f1	zf-c3hc4(HMM:5.8e-11)
15551	119_1.R1040.f3	zf-c3hc4(HMM:5.9e-06)
15552	LIB3051-018-Q1-E1-H3.f6	zf-c3hc4(HMM:5.9e-06)
15553	LIB3107-055-Q1-K1-B3.f2	zf-c3hc4(HMM:5e-06)
15554	16079_1.R1040.f3	zf-c3hc4(HMM:5e-08)
15555	44528_1.R1040.f2	zf-c3hc4(HMM:5e-09)
15556	45256_1.R1040.f1	zf-c3hc4(HMM:5e-09)
15557	52214_1.R1040.f3	zf-c3hc4(HMM:5e-09)
15558	g5342446.f1	zf-c3hc4(HMM:5e-11)
15559	122966_1.R1040.f3	zf-c3hc4(HMM:6.2e-12)
15560	21466_1.R1040.f3	zf-c3hc4(HMM:6.5e-11)
15561	94016_1.R1040.f5	zf-c3hc4(HMM:6.8e-12)
15562	1886_3.R1040.f3	zf-c3hc4(HMM:6e-09)
15563	18729_1.R1040.f3	zf-c3hc4(HMM:7.1e-08)
15564	g4301519.f1	zf-c3hc4(HMM:7.3e-05)
15565	319071_1.R1040.f6	zf-c3hc4(HMM:7.5e-10)
15566	30175_1.R1040.f1	zf-c3hc4(HMM:7.5e-11)
15567	12520_4.R1040.f1	zf-c3hc4(HMM:7e-09)
15568	5671_1.R1040.f1	zf-c3hc4(HMM:8.1e-09)
15569	LIB3050-011-Q1-E1-F6.f2	zf-c3hc4(HMM:8.2e-06)
15570	112674_1.R1040.f2	zf-c3hc4(HMM:8.3e-09)
15571	4770_1.R1040.f2	zf-c3hc4(HMM:8.3e-11)
15572	97285_1.R1040.f6	zf-c3hc4(HMM:8.4e-05)
15573	214172_1.R1040.f3	zf-c3hc4(HMM:8.4e-07)
15574	66923_1.R1040.f3	zf-c3hc4(HMM:8.4e-09)
15575	8682_1.R1040.f1	zf-c3hc4(HMM:8.5e-12)
15576	zhf700960331.h1.f1	zf-c3hc4(HMM:8.8e-11)
15577	ncj700978144.h1.f3	zf-c3hc4(HMM:8.8e-13)
15578	18266_1.R1040.f3	zf-c3hc4(HMM:8e-11)
15579	29438_1.R1040.f1	zf-c3hc4(HMM:9.2e-09)
15580	kl1701205779.h1.f5	zf-c3hc4(HMM:9.5e-12)
15581	1991_1.R1040.f3	zf-c3hc4(HMM:9e-08)

eep700869601.h1.f2
 110971_1.R1040.f1
 330437_1.R1040.f6
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 213640_1.R1040.f2
 15044_1.R1040.f3
 LIB3053-009-Q1-N1-E8.f3
 15648_1.R1040.f2
 15648_3.R1040.f3
 186475_1.R1040.f2
 16414_1.R1040.f2
 26396_2.R1040.f3
 368716_1.R1040.f3
 110971_2.R1040.f1
 14949_1.R1040.f1
 31427_2.R1040.f3
 LIB3051-008-Q1-E1-F7.f1
 6089_1.R1040.f2
 LIB3138-129-Q1-N1-C11.f3
 2754_2.R1040.f3
 67728_1.R1040.f1
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 26396_1.R1040.f3
 2754_1.R1040.f2
 88051_1.R1040.f6
 33317_1.R1040.f3
 111528_1.R1040.f1
 3147_2.R1040.f1
 LIB3106-067-P1-K1-D6.f2
 3147_1.R1040.f2
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 LIB3049-042-Q1-E1-G10.f2
 184628_1.R1040.f1
 156800_1.R1040.f5
 LIB3050-023-Q1-K1-D8.f2
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 2466_5.R1040.f1
 LIB3170-072-Q1-J1-F8.f4
 91390_1.R1040.f2
 leu701157077.h1.f6
 127824_1.R1040.f2
 LIB3040-014-Q1-E1-E11.f1
 10030_1.R1040.f2
 jsh701070043.h2.f1
 20435_1.R1040.f3
 6411_1.R1040.f2
 15107_1.R1040.f1
 LIB3138-090-P1-N1-A10.f2
 52374_1.R1040.f2
 2466_2.R1040.f1
 8476_2.R1040.f3
 g4290253.f1
 16466_1.R1040.f1

zf-c4(HMM:9.1)
 zf-ccch(HMM:0.0001)
 zf-ccch(HMM:0.00011)
 zf-ccch(HMM:0.00025)
 zf-ccch(HMM:0.00038)
 zf-ccch(HMM:0.00083)
 zf-ccch(HMM:0.0054)
 zf-ccch(HMM:0.026)
 zf-ccch(HMM:0.026)
 zf-ccch(HMM:0.029)
 zf-ccch(HMM:0.031)
 zf-ccch(HMM:0.05)
 zf-ccch(HMM:0.19)
 zf-ccch(HMM:0.29)
 zf-ccch(HMM:0.43)
 zf-ccch(HMM:1.3)
 zf-ccch(HMM:1.5e-05)
 zf-ccch(HMM:1.5e-17)
 zf-ccch(HMM:1.6e-05)
 zf-ccch(HMM:1.6e-06)
 zf-ccch(HMM:1.8e-08)
 zf-ccch(HMM:1.9e-05)
 zf-ccch(HMM:2.3e-07)
 zf-ccch(HMM:3.2e-12)
 zf-ccch(HMM:3.9e-07)
 zf-ccch(HMM:8.1e-07)
 zf-ccch(HMM:8.3e-06)
 zf-ccch(HMM:9.8e-10)
 zf-cchc(HMM:0.00011)
 zf-cchc(HMM:0.00025)
 zf-cchc(HMM:0.00039)
 zf-cchc(HMM:0.0014)
 zf-cchc(HMM:0.0016)
 zf-cchc(HMM:0.0023)
 zf-cchc(HMM:0.0066)
 zf-cchc(HMM:0.02)
 zf-cchc(HMM:0.022)
 zf-cchc(HMM:0.027)
 zf-cchc(HMM:0.041)
 zf-cchc(HMM:0.069)
 zf-cchc(HMM:0.32)
 zf-cchc(HMM:0.37)
 zf-cchc(HMM:1.2e-05)
 zf-cchc(HMM:1.3e-05)
 zf-cchc(HMM:1.5e-06)
 zf-cchc(HMM:1.7e-07)
 zf-cchc(HMM:1.8e-05)
 zf-cchc(HMM:1e-10)
 zf-cchc(HMM:2.1e-09)
 zf-cchc(HMM:2.5e-12)
 zf-cchc(HMM:3.3e-05)
 zf-cchc(HMM:3.7e-10)
 zf-cchc(HMM:3e-10)
 zf-cchc(HMM:4.3e-20)

15636	95363_1.R1040.f5	zf-cchc(HMM:4.4e-19)
15637	V4L-02-Q1-E1-E2.f6	zf-cchc(HMM:4.7e-06)
15638	7964_1.R1040.f2	zf-cchc(HMM:4.9e-52)
15639	uaw700663647.h1.f1	zf-cchc(HMM:5.6e-09)
15640	zsg701117332.h1.f1	zf-cchc(HMM:8.1e-09)
15641	crh700853319.h1.f1	zf-cchc(HMM:8.7e-06)
15642	42986_1.R1040.f3	zf-cchc(HMM:9.6e-06)
15643	LIB3056-003-Q1-N1-G10.f3	zf-constans(HMM:0.013)
15644	64010_1.R1040.f3	zf-constans(HMM:0.048)
15645	102998_2.R1040.f3	zf-constans(HMM:0.095)
15646	24889_1.R1040.f2	zf-constans(HMM:1.3e-14)
15647	LIB3094-087-Q1-K1-A12.f2	zf-constans(HMM:1.3e-20)
15648	130452_1.R1040.f3	zf-constans(HMM:1.4e-15)
15649	ncj700980420.h1.f1	zf-constans(HMM:1.9e-08)
15650	70306_1.R1040.f1	zf-constans(HMM:1e-19)
15651	100881_2.R1040.f3	zf-constans(HMM:2.1e-09)
15652	49610_1.R1040.f3	zf-constans(HMM:2.1e-13)
15653	LIB3106-009-Q1-K1-C11.f2	zf-constans(HMM:2.1e-20)
15654	42069_1.R1040.f1	zf-constans(HMM:2.4e-15)
15655	32727_7.R1040.f3	zf-constans(HMM:2.7e-08)
15656	80526_2.R1040.f3	zf-constans(HMM:3.3e-07)
15657	32727_3.R1040.f3	zf-constans(HMM:3e-38)
15658	g5058157.f1	zf-constans(HMM:5.1e-09)
15659	4208_1.R1040.f2	zf-constans(HMM:5.5e-25)
15660	LIB3138-069-P1-N1-A9.f2	zf-constans(HMM:6.2e-06)
15661	LIB3139-008-P1-N1-E4.f3	zf-constans(HMM:6e-07)
15662	76255_1.R1040.f2	zf-constans(HMM:6e-14)
15663	LIB3028-010-Q1-B1-A12.f1	zf-constans(HMM:6e-14)
15664	67827_1.R1040.f2	zf-mynd(HMM:0.001)
15665	223931_1.R1040.f1	zf-mynd(HMM:0.0012)
15666	7099_1.R1040.f3	zf-mynd(HMM:0.0064)
15667	26944_1.R1040.f2	zf-mynd(HMM:1.2e-16)
15668	104436_2.R1040.f2	zf-mynd(HMM:1.4e-06)
15669	309351_1.R1040.f3	zf-mynd(HMM:1.5e-12)
15670	g4313946.f2	zf-mynd(HMM:4e-09)
15671	LIB3049-052-Q1-E1-H7.f2	zf-mynd(HMM:5.7e-05)
15672	25556_1.R1040.f2	zf-mynd(HMM:8.7e-13)
15673	104436_1.R1040.f1	zf-mynd(HMM:8.8e-16)
15674	asn701142782.h1.f2	zf-nf-x1(HMM:0.097)
15675	uC-gmrominsoy205g06b1.f2	zf-nf-x1(HMM:1.7e-07)
15676	uC-gmronoir010e01b1.f1	zn_clus(HMM:0.00075)
15677	LIB3139-105-P1-N1-G5.f3	zn_clus(HMM:2.4e-07)
15678	151593_1.R1040.f2	zz(HMM:0.001)
15679	113319_1.R1040.f3	zz(HMM:0.095)
15680	zhf700960153.h1.f1	zz(HMM:0.14)
15681	7196_1.R1040.f3	zz(HMM:0.42)
15682	296435_1.R1040.f1	zz(HMM:1.2e-09)
15683	85562_1.R1040.f3	zz(HMM:3.3e-11)
15684	zsg701121630.h1.f1	zz(HMM:5.7e-13)
15685	178742_1.R1040.f2	zz(HMM:8.5e-09)
15686	4806_1.R1040.f2	zz(HMM:8.7e-07)

Table 10 Nucleic acid sequences encoding transcription factors from Arabidopsis thaliana

SEQ NUM	SEQ ID	Family/Method/Evalue
15687	ATL8C10422_GENSCAN_predi cted_peptide_1_159_aa	14-3-3(HMM:8.8e-69)
15688	ATL8C11799_GENSCAN_predi cted_peptide_1_243_aa	14-3-3(HMM:2.7e-166)
15689	ATL8C20658_GENSCAN_predi cted_peptide_2_134_aa	14-3-3(HMM:2.3e-52)
15690	ATL8C21794_GENSCAN_predi cted_peptide_1_233_aa	14-3-3(HMM:6.8e-132)
15691	ATL8C256_GENSCAN_predicte d_peptide_1_214_aa	14-3-3(HMM:1.9e-142)
15692	ATL8C3535_GENSCAN_predict ed_peptide_1_244_aa	14-3-3(HMM:2.7e-177)
15693	ATL8C42344_GENSCAN_predi cted_peptide_1_57_aa	14-3-3(HMM:6.7e-28)
15694	ATL8C45661_GENSCAN_predi cted_peptide_2_102_aa	14-3-3(HMM:3.4e-10)
15695	ATL8C49427_GENSCAN_predi cted_peptide_1_71_aa	14-3-3(HMM:1.6e-26)
15696	ATL8C50037_GENSCAN_predi cted_peptide_1_107_aa	14-3-3(HMM:0.015)
15697	ATL8C8885_GENSCAN_predict ed_peptide_2_259_aa	14-3-3(HMM:6.3e-182)
15698	ATL8C9418_GENSCAN_predict ed_peptide_1_150_aa	14-3-3(HMM:2.3e-58)
15699	ATL8S922_GENSCAN_predicte d_peptide_1_120_aa	14-3-3(HMM:2.4e-24)
15700	ATL8C10274_GENSCAN_predi cted_peptide_1_149_aa	ank(HMM:7.2e-11)
15701	ATL8C10466_GENSCAN_predi cted_peptide_1_438_aa	ank(HMM:4.9e-36)
15702	ATL8C10953_GENSCAN_predi cted_peptide_1_405_aa	ank(HMM:2.6e-09)
15703	ATL8C11378_GENSCAN_predi cted_peptide_1_171_aa	ank(HMM:1.3e-20)
15704	ATL8C12089_GENSCAN_predi cted_peptide_1_90_aa	ank(HMM:3.2e-14)
15705	ATL8C13504_GENSCAN_predi cted_peptide_1_369_aa	ank(HMM:6e-16)
15706	ATL8C14047_GENSCAN_predi cted_peptide_3_421_aa	ank(HMM:0.001)
15707	ATL8C14192_GENSCAN_predi cted_peptide_1_295_aa	ank(HMM:3e-07)
15708	ATL8C14655_GENSCAN_predi cted_peptide_1_120_aa	ank(HMM:6.1e-18)
15709	ATL8C14743_GENSCAN_predi cted_peptide_2_583_aa	ank(HMM:3.9e-10)
15710	ATL8C14880_GENSCAN_predi cted_peptide_1_70_aa	ank(HMM:0.00021)
15711	ATL8C15871_GENSCAN_predi cted_peptide_1_457_aa	ank(HMM:3.5e-16)
15712	ATL8C15989_GENSCAN_predi cted_peptide_2_231_aa	ank(HMM:2.4e-11)

15713	ATL8C16274_GENSCAN_predi cted_peptide_1_269_aa	ank(HMM:2e-20)
15714	ATL8C16353_GENSCAN_predi cted_peptide_1_621_aa	ank(HMM:2.3e-39)
15715	ATL8C16704_GENSCAN_predi cted_peptide_1_947_aa	ank(HMM:0.2)
15716	ATL8C17140_GENSCAN_predi cted_peptide_1_310_aa	ank(HMM:9.4e-11)
15717	ATL8C17730_GENSCAN_predi cted_peptide_1_502_aa	ank(HMM:1.5e-24)
15718	ATL8C18312_GENSCAN_predi cted_peptide_1_241_aa	ank(HMM:1.7e-40)
15719	ATL8C20807_GENSCAN_predi cted_peptide_2_277_aa	ank(HMM:8.8e-22)
15720	ATL8C21818_GENSCAN_predi cted_peptide_1_241_aa	ank(HMM:0.00023)
15721	ATL8C22203_GENSCAN_predi cted_peptide_1_217_aa	ank(HMM:7.2e-19)
15722	ATL8C23232_GENSCAN_predi cted_peptide_1_91_aa	ank(HMM:0.00012)
15723	ATL8C23747_GENSCAN_predi cted_peptide_1_516_aa	ank(HMM:7.2e-10)
15724	ATL8C24189_GENSCAN_predi cted_peptide_1_379_aa	ank(HMM:6.9e-08)
15725	ATL8C24414_GENSCAN_predi cted_peptide_1_427_aa	ank(HMM:1.6e-31)
15726	ATL8C2487_GENSCAN_predict ed_peptide_1_159_aa	ank(HMM:1.2e-05)
15727	ATL8C24965_GENSCAN_predi cted_peptide_1_158_aa	ank(HMM:1.2e-11)
15728	ATL8C25051_GENSCAN_predi cted_peptide_1_324_aa	ank(HMM:1.2e-13)
15729	ATL8C25992_GENSCAN_predi cted_peptide_1_286_aa	ank(HMM:2)
15730	ATL8C25993_GENSCAN_predi cted_peptide_1_185_aa	ank(HMM:0.0065)
15731	ATL8C25994_GENSCAN_predi cted_peptide_1_181_aa	ank(HMM:0.055)
15732	ATL8C26169_GENSCAN_predi cted_peptide_2_200_aa	ank(HMM:2.6e-34)
15733	ATL8C27039_GENSCAN_predi cted_peptide_1_156_aa	ank(HMM:0.0001)
15734	ATL8C2905_GENSCAN_predict ed_peptide_1_332_aa	ank(HMM:9.8e-25)
15735	ATL8C30154_GENSCAN_predi cted_peptide_1_592_aa	ank(HMM:5.3e-08)
15736	ATL8C30963_GENSCAN_predi cted_peptide_1_1008_aa	ank(HMM:3.1e-23)
15737	ATL8C31473_GENSCAN_predi cted_peptide_1_289_aa	ank(HMM:1.5e-12)
15738	ATL8C31888_GENSCAN_predi cted_peptide_1_515_aa	ank(HMM:1.1e-12)
15739	ATL8C31948_GENSCAN_predi cted_peptide_1_600_aa	ank(HMM:4.1)

15740	ATL8C32118_GENSCAN_predi	ank(HMM:6.4e-23)
	cted_peptide_1_562_aa	
15741	ATL8C32675_GENSCAN_predi	ank(HMM:0.019)
	cted_peptide_1_125_aa	
15742	ATL8C32897_GENSCAN_predi	ank(HMM:3.5e-06)
	cted_peptide_1_106_aa	
15743	ATL8C33147_GENSCAN_predi	ank(HMM:1.1e-12)
	cted_peptide_1_94_aa	
15744	ATL8C33235_GENSCAN_predi	ank(HMM:1.2e-21)
	cted_peptide_1_811_aa	
15745	ATL8C33884_GENSCAN_predi	ank(HMM:0.001)
	cted_peptide_1_566_aa	
15746	ATL8C35344_GENSCAN_predi	ank(HMM:4.6e-30)
	cted_peptide_1_520_aa	
15747	ATL8C35821_GENSCAN_predi	ank(HMM:1.4e-06)
	cted_peptide_2_357_aa	
15748	ATL8C36518_GENSCAN_predi	ank(HMM:1.9e-17)
	cted_peptide_1_539_aa	
15749	ATL8C37040_GENSCAN_predi	ank(HMM:6.2e-05)
	cted_peptide_1_260_aa	
15750	ATL8C37198_GENSCAN_predi	ank(HMM:2.1e-24)
	cted_peptide_1_638_aa	
15751	ATL8C37711_GENSCAN_predi	ank(HMM:1.5e-07)
	cted_peptide_1_466_aa	
15752	ATL8C3888_GENSCAN_predict	ank(HMM:0.00027)
	ed_peptide_1_205_aa	
15753	ATL8C39274_GENSCAN_predi	ank(HMM:0.00044)
	cted_peptide_1_189_aa	
15754	ATL8C4045_GENSCAN_predict	ank(HMM:2.7e-07)
	ed_peptide_1_86_aa	
15755	ATL8C41862_GENSCAN_predi	ank(HMM:6.5e-23)
	cted_peptide_1_197_aa	
15756	ATL8C41903_GENSCAN_predi	ank(HMM:4.8e-19)
	cted_peptide_1_366_aa	
15757	ATL8C42080_GENSCAN_predi	ank(HMM:5e-06)
	cted_peptide_1_159_aa	
15758	ATL8C43045_GENSCAN_predi	ank(HMM:1e-22)
	cted_peptide_1_408_aa	
15759	ATL8C4470_GENSCAN_predict	ank(HMM:0.0013)
	ed_peptide_1_713_aa	
15760	ATL8C45560_GENSCAN_predi	ank(HMM:1.1e-12)
	cted_peptide_1_169_aa	
15761	ATL8C46508_GENSCAN_predi	ank(HMM:4.1e-13)
	cted_peptide_2_370_aa	
15762	ATL8C47925_GENSCAN_predi	ank(HMM:8e-06)
	cted_peptide_1_306_aa	
15763	ATL8C48676_GENSCAN_predi	ank(HMM:3.4e-15)
	cted_peptide_1_270_aa	
15764	ATL8C48895_GENSCAN_predi	ank(HMM:1.5e-28)
	cted_peptide_1_259_aa	
15765	ATL8C49552_GENSCAN_predi	ank(HMM:1.4e-09)
	cted_peptide_1_394_aa	
15766	ATL8C49962_GENSCAN_predi	ank(HMM:4.3e-32)
	cted_peptide_2_414_aa	

15767	ATL8C50052_GENSCAN_predic	ank(HMM:2.1e-25)
15768	ATL8C5530_GENSCAN_predict	ank(HMM:1.1e-34)
15769	ATL8C5867_GENSCAN_predict	ank(HMM:4.8e-13)
15770	ATL8C6152_GENSCAN_predict	ank(HMM:7.1e-23)
15771	ATL8C6768_GENSCAN_predict	ank(HMM:1.9e-14)
15772	ATL8C7130_GENSCAN_predict	ank(HMM:1.8e-38)
15773	ATL8C8007_GENSCAN_predict	ank(HMM:4.2e-08)
15774	ATL8C8458_GENSCAN_predict	ank(HMM:4.5e-24)
15775	ATL8C8511_GENSCAN_predict	ank(HMM:9.2e-09)
15776	ATL8C8617_GENSCAN_predict	ank(HMM:0.00045)
15777	ATL8C9245_GENSCAN_predict	ank(HMM:1.1e-37)
15778	ATL8C9454_GENSCAN_predict	ank(HMM:6.8e-08)
15779	ATL8C9485_GENSCAN_predict	ank(HMM:1.9e-22)
15780	ATL8C9583_GENSCAN_predict	ank(HMM:8.4e-17)
15781	ATL8S11035_GENSCAN_predi	ank(HMM:8.2)
15782	ATL8S11615_GENSCAN_predi	ank(HMM:1.3e-15)
15783	ATL8S13773_GENSCAN_predi	ank(HMM:6.9e-05)
15784	ATL8S19704_GENSCAN_predi	ank(HMM:0.0081)
15785	ATL8S20714_GENSCAN_predi	ank(HMM:0.00018)
15786	ATL8S27617_GENSCAN_predi	ank(HMM:1.2e-07)
15787	ATL8S3871_GENSCAN_predict	ank(HMM:1.8e-07)
15788	ATL8S4732_GENSCAN_predict	ank(HMM:0.0001)
15789	ATL8S5510_GENSCAN_predict	ank(HMM:2.9e-12)
15790	ATL8S6031_GENSCAN_predict	ank(HMM:3.8e-08)
15791	ATL8C27357_GENSCAN_predi	ank(HMM:0.00016),btb(HMM:8.5e-12)
15792	ATL8C48947_GENSCAN_predi	ank(HMM:6.2e-09),chromo(HMM:0.097)
15793	ATL8C24417_GENSCAN_predi	ank(HMM:1.6e-27),zf-c3hc4(HMM:3.1e-09)

15794	ATL8C46816_GENSCAN_predi cted_peptide_1_346_aa	ank(HMM:1.4e-13),zf- c3hc4(HMM:5.7e-07)
15795	ATL8C10744_GENSCAN_predi cted_peptide_1_233_aa	ap2-domain(HMM:0.068)
15796	ATL8C10898_GENSCAN_predi cted_peptide_1_245_aa	ap2-domain(HMM:2.6e-40)
15797	ATL8C11291_GENSCAN_predi cted_peptide_1_174_aa	ap2-domain(HMM:7.1e-32)
15798	ATL8C11384_GENSCAN_predi cted_peptide_1_277_aa	ap2-domain(HMM:6.9e-39)
15799	ATL8C12152_GENSCAN_predi cted_peptide_1_120_aa	ap2-domain(HMM:8.6e-05)
15800	ATL8C12360_GENSCAN_predi cted_peptide_1_179_aa	ap2-domain(HMM:3.8e-41)
15801	ATL8C12597_GENSCAN_predi cted_peptide_1_154_aa	ap2-domain(HMM:4.7e-11)
15802	ATL8C12766_GENSCAN_predi cted_peptide_1_120_aa	ap2-domain(HMM:6.4e-32)
15803	ATL8C12855_GENSCAN_predi cted_peptide_1_131_aa	ap2-domain(HMM:5.3e-06)
15804	ATL8C13232_GENSCAN_predi cted_peptide_1_146_aa	ap2-domain(HMM:7.2e-32)
15805	ATL8C1323_GENSCAN_predict ed_peptide_1_230_aa	ap2-domain(HMM:5e-44)
15806	ATL8C13640_GENSCAN_predi cted_peptide_1_260_aa	ap2-domain(HMM:0.01)
15807	ATL8C14133_GENSCAN_predi cted_peptide_1_200_aa	ap2-domain(HMM:1.5e-23)
15808	ATL8C14336_GENSCAN_predi cted_peptide_1_253_aa	ap2-domain(HMM:1.7e-38)
15809	ATL8C14531_GENSCAN_predi cted_peptide_1_277_aa	ap2-domain(HMM:1.3e-34)
15810	ATL8C14824_GENSCAN_predi cted_peptide_2_245_aa	ap2-domain(HMM:2.8e-35)
15811	ATL8C15163_GENSCAN_predi cted_peptide_1_188_aa	ap2-domain(HMM:4.2e-38)
15812	ATL8C15890_GENSCAN_predi cted_peptide_1_560_aa	ap2-domain(HMM:3.8e-34)
15813	ATL8C16468_GENSCAN_predi cted_peptide_1_236_aa	ap2-domain(HMM:5.6e-38)
15814	ATL8C16807_GENSCAN_predi cted_peptide_1_213_aa	ap2-domain(HMM:3.2e-43)
15815	ATL8C1970_GENSCAN_predict ed_peptide_1_155_aa	ap2-domain(HMM:0.00056)
15816	ATL8C20656_GENSCAN_predi cted_peptide_1_189_aa	ap2-domain(HMM:2.7e-12)
15817	ATL8C20829_GENSCAN_predi cted_peptide_2_133_aa	ap2-domain(HMM:5.5e-40)
15818	ATL8C22117_GENSCAN_predi cted_peptide_1_237_aa	ap2-domain(HMM:5.9e-34)
15819	ATL8C22187_GENSCAN_predi cted_peptide_2_275_aa	ap2-domain(HMM:4e-38)
15820	ATL8C23706_GENSCAN_predi cted_peptide_1_236_aa	ap2-domain(HMM:5.7e-40)

15821	ATL8C24138_GENSCAN_predicated_peptide_1_205_aa	ap2-domain(HMM:7e-41)
15822	ATL8C24176_GENSCAN_predicated_peptide_1_233_aa	ap2-domain(HMM:2.4e-38)
15823	ATL8C24372_GENSCAN_predicated_peptide_1_194_aa	ap2-domain(HMM:1.1e-40)
15824	ATL8C24563_GENSCAN_predicated_peptide_1_329_aa	ap2-domain(HMM:2.3e-44)
15825	ATL8C24603_GENSCAN_predicated_peptide_1_219_aa	ap2-domain(HMM:3.5e-40)
15826	ATL8C25637_GENSCAN_predicated_peptide_1_182_aa	ap2-domain(HMM:8.5)
15827	ATL8C26050_GENSCAN_predicated_peptide_1_278_aa	ap2-domain(HMM:4.2e-39)
15828	ATL8C26224_GENSCAN_predicated_peptide_2_159_aa	ap2-domain(HMM:8.2e-33)
15829	ATL8C26624_GENSCAN_predicated_peptide_1_212_aa	ap2-domain(HMM:3.4e-39)
15830	ATL8C27346_GENSCAN_predicated_peptide_1_100_aa	ap2-domain(HMM:2.9e-39)
15831	ATL8C27382_GENSCAN_predicated_peptide_1_142_aa	ap2-domain(HMM:3.2e-34)
15832	ATL8C27944_GENSCAN_predicated_peptide_1_41_aa	ap2-domain(HMM:0.0012)
15833	ATL8C31409_GENSCAN_predicated_peptide_1_121_aa	ap2-domain(HMM:4.7e-28)
15834	ATL8C32024_GENSCAN_predicated_peptide_1_64_aa	ap2-domain(HMM:3.6)
15835	ATL8C3322_GENSCAN_predicted_peptide_1_337_aa	ap2-domain(HMM:9.3e-35)
15836	ATL8C3330_GENSCAN_predicted_peptide_1_244_aa	ap2-domain(HMM:7.9e-34)
15837	ATL8C33678_GENSCAN_predicated_peptide_1_215_aa	ap2-domain(HMM:7.7e-40)
15838	ATL8C33778_GENSCAN_predicated_peptide_1_188_aa	ap2-domain(HMM:1.3e-37)
15839	ATL8C33878_GENSCAN_predicated_peptide_1_312_aa	ap2-domain(HMM:5.1e-17)
15840	ATL8C34559_GENSCAN_predicated_peptide_1_288_aa	ap2-domain(HMM:3e-24)
15841	ATL8C34593_GENSCAN_predicated_peptide_1_473_aa	ap2-domain(HMM:1.2e-06)
15842	ATL8C34844_GENSCAN_predicated_peptide_1_93_aa	ap2-domain(HMM:0.0065)
15843	ATL8C35905_GENSCAN_predicated_peptide_1_255_aa	ap2-domain(HMM:4.2e-42)
15844	ATL8C37037_GENSCAN_predicated_peptide_1_207_aa	ap2-domain(HMM:9.7e-43)
15845	ATL8C37038_GENSCAN_predicated_peptide_1_159_aa	ap2-domain(HMM:1.3e-42)
15846	ATL8C3762_GENSCAN_predicted_peptide_1_343_aa	ap2-domain(HMM:2.5e-40)
15847	ATL8C37798_GENSCAN_predicated_peptide_1_185_aa	ap2-domain(HMM:1.8e-36)

15848	ATL8C37953_GENSCAN_predi	ap2-domain(HMM:5.7e-34)
	cted_peptide_1_329_aa	
15849	ATL8C38666_GENSCAN_predi	ap2-domain(HMM:4e-29)
	cted_peptide_1_191_aa	
15850	ATL8C38740_GENSCAN_predi	ap2-domain(HMM:2.1e-06)
	cted_peptide_1_149_aa	
15851	ATL8C38990_GENSCAN_predi	ap2-domain(HMM:4.6e-39)
	cted_peptide_1_202_aa	
15852	ATL8C39008_GENSCAN_predi	ap2-domain(HMM:4.6e-36)
	cted_peptide_1_233_aa	
15853	ATL8C39733_GENSCAN_predi	ap2-domain(HMM:8.8e-42)
	cted_peptide_1_121_aa	
15854	ATL8C40068_GENSCAN_predi	ap2-domain(HMM:3.2e-28)
	cted_peptide_1_142_aa	
15855	ATL8C40414_GENSCAN_predi	ap2-domain(HMM:0.13)
	cted_peptide_1_108_aa	
15856	ATL8C40427_GENSCAN_predi	ap2-domain(HMM:1.1e-33)
	cted_peptide_1_142_aa	
15857	ATL8C43089_GENSCAN_predi	ap2-domain(HMM:3e-06)
	cted_peptide_1_203_aa	
15858	ATL8C4444_GENSCAN_predict	ap2-domain(HMM:1e-38)
	ed_peptide_1_196_aa	
15859	ATL8C45007_GENSCAN_predi	ap2-domain(HMM:1.7e-29)
	cted_peptide_1_170_aa	
15860	ATL8C46570_GENSCAN_predi	ap2-domain(HMM:1.6e-30)
	cted_peptide_1_219_aa	
15861	ATL8C46642_GENSCAN_predi	ap2-domain(HMM:3.7e-38)
	cted_peptide_1_184_aa	
15862	ATL8C47150_GENSCAN_predi	ap2-domain(HMM:2e-38)
	cted_peptide_2_240_aa	
15863	ATL8C48923_GENSCAN_predi	ap2-domain(HMM:9.5e-27)
	cted_peptide_1_104_aa	
15864	ATL8C49072_GENSCAN_predi	ap2-domain(HMM:0.18)
	cted_peptide_1_135_aa	
15865	ATL8C49092_GENSCAN_predi	ap2-domain(HMM:1.1e-40)
	cted_peptide_1_139_aa	
15866	ATL8C4927_GENSCAN_predict	ap2-domain(HMM:7.1e-42)
	ed_peptide_1_176_aa	
15867	ATL8C49484_GENSCAN_predi	ap2-domain(HMM:1.3e-18)
	cted_peptide_1_158_aa	
15868	ATL8C49679_GENSCAN_predi	ap2-domain(HMM:3.5e-13)
	cted_peptide_1_227_aa	
15869	ATL8C49847_GENSCAN_predi	ap2-domain(HMM:3e-29)
	cted_peptide_1_199_aa	
15870	ATL8C49894_GENSCAN_predi	ap2-domain(HMM:2.1e-06)
	cted_peptide_1_114_aa	
15871	ATL8C49931_GENSCAN_predi	ap2-domain(HMM:0.0012)
	cted_peptide_1_279_aa	
15872	ATL8C5285_GENSCAN_predict	ap2-domain(HMM:3.3e-30)
	ed_peptide_1_144_aa	
15873	ATL8C5322_GENSCAN_predict	ap2-domain(HMM:4.6e-33)
	ed_peptide_1_313_aa	
15874	ATL8C567_GENSCAN_predicte	ap2-domain(HMM:1e-32)
	d_peptide_1_176_aa	

15875	ATL8C6501_GENSCAN_predict ed_peptide_1_244_aa	ap2-domain(HMM:4.4e-40)
15876	ATL8C691_GENSCAN_predicte d_peptide_1_253_aa	ap2-domain(HMM:8.6e-08)
15877	ATL8C7310_GENSCAN_predict ed_peptide_1_205_aa	ap2-domain(HMM:9.8e-39)
15878	ATL8C756_GENSCAN_predicte d_peptide_1_265_aa	ap2-domain(HMM:1.8e-39)
15879	ATL8C8748_GENSCAN_predict ed_peptide_1_177_aa	ap2-domain(HMM:1.2e-30)
15880	ATL8C8870_GENSCAN_predict ed_peptide_2_143_aa	ap2-domain(HMM:5.1e-28)
15881	ATL8C898_GENSCAN_predicte d_peptide_2_235_aa	ap2-domain(HMM:2.1e-20)
15882	ATL8S1452_GENSCAN_predict ed_peptide_1_103_aa	ap2-domain(HMM:0.0093)
15883	ATL8S16698_GENSCAN_predi cted_peptide_1_94_aa	ap2-domain(HMM:3.5e-18)
15884	ATL8S26388_GENSCAN_predi cted_peptide_1_146_aa	ap2-domain(HMM:4.4e-34)
15885	ATL8C18299_GENSCAN_predi cted_peptide_1_352_aa	ap2-domain(HMM:1.9e- 29),arf(HMM:0.85),b3(HMM:2e- 47)
15886	ATL8C17377_GENSCAN_predi cted_peptide_1_203_aa	ap2-domain(HMM:2e- 13),b3(HMM:2.1e-21)
15887	ATL8C16413_GENSCAN_predi cted_peptide_1_173_aa	arf(HMM:7.4e-11)
15888	ATL8C20499_GENSCAN_predi cted_peptide_1_160_aa	arf(HMM:0.0038)
15889	ATL8C24718_GENSCAN_predi cted_peptide_1_56_aa	arf(HMM:4.1e-12)
15890	ATL8C25186_GENSCAN_predi cted_peptide_1_131_aa	arf(HMM:4e-15)
15891	ATL8C3639_GENSCAN_predict ed_peptide_1_137_aa	arf(HMM:1.7e-12)
15892	ATL8S4140_GENSCAN_predict ed_peptide_1_51_aa	arf(HMM:1.2e-13)
15893	ATL8C11317_GENSCAN_predi cted_peptide_1_100_aa	arf(HMM:3.2e- 11),b3(HMM:2.6e-10)
15894	ATL8C1173_GENSCAN_predict ed_peptide_1_235_aa	arf(HMM:5.4e- 113),b3(HMM:4.1e-23)
15895	ATL8C20922_GENSCAN_predi cted_peptide_1_220_aa	arf(HMM:7.2e- 05),b3(HMM:0.0007)
15896	ATL8C26995_GENSCAN_predi cted_peptide_1_187_aa	arf(HMM:9.8e- 15),b3(HMM:8.3e-40)
15897	ATL8C27638_GENSCAN_predi cted_peptide_1_131_aa	arf(HMM:3.1e- 11),b3(HMM:0.00045)
15898	ATL8C33763_GENSCAN_predi cted_peptide_1_218_aa	arf(HMM:1.2e- 36),b3(HMM:4.7e-22)
15899	ATL8C38056_GENSCAN_predi cted_peptide_1_296_aa	arf(HMM:2.1e- 83),b3(HMM:3.9e-15)
15900	ATL8C42220_GENSCAN_predi cted_peptide_1_300_aa	arf(HMM:1.8e- 18),b3(HMM:1.6e-38)
15901	ATL8C43871_GENSCAN_predi	arf(HMM:1.4e-

	cted_peptide_1_278_aa	75),b3(HMM:3.8e-15)
15902	ATL8C7233_GENSCAN_predicted_peptide_1_183_aa	arf(HMM:4e-14),b3(HMM:7.5e-09)
15903	ATL8S1753_GENSCAN_predicted_peptide_1_65_aa	arf(HMM:5.9),b3(HMM:0.00065)
15904	ATL8C8390_GENSCAN_predicted_peptide_1_739_aa	arf(HMM:5.1e-156),b3(HMM:3.5e-31),iaa(HMM:1.7e-46)
15905	ATL8C12208_GENSCAN_predicted_peptide_2_586_aa	arf(HMM:1.4e-14),iaa(HMM:1.1e-18)
15906	ATL8C24275_GENSCAN_predicted_peptide_1_269_aa	arf(HMM:5.1e-11),iaa(HMM:1.8e-23)
15907	ATL8C4977_GENSCAN_predicted_peptide_1_403_aa	arf(HMM:2.6e-06),iaa(HMM:6.8e-47)
15908	ATL8C8419_GENSCAN_predicted_peptide_1_878_aa	arf(HMM:0.18),iaa(HMM:1.4e-37)
15909	ATL8C23772_GENSCAN_predicted_peptide_1_285_aa	arid(HMM:0.00052)
15910	ATL8C30243_GENSCAN_predicted_peptide_1_135_aa	arid(HMM:7.8e-08)
15911	ATL8C17240_GENSCAN_predicted_peptide_1_371_aa	arid(HMM:0.0016),hmg_box(HMM:1.4e-17)
15912	ATL8C12199_GENSCAN_predicted_peptide_1_133_aa	athook(HMM:0.0081)
15913	ATL8C20206_GENSCAN_predicted_peptide_1_581_aa	athook(HMM:0.044)
15914	ATL8C23846_GENSCAN_predicted_peptide_1_778_aa	athook(HMM:0.042)
15915	ATL8C28049_GENSCAN_predicted_peptide_1_280_aa	athook(HMM:0.00077)
15916	ATL8C34710_GENSCAN_predicted_peptide_1_451_aa	athook(HMM:0.017)
15917	ATL8C3754_GENSCAN_predicted_peptide_2_257_aa	athook(HMM:0.015)
15918	ATL8C44742_GENSCAN_predicted_peptide_1_767_aa	athook(HMM:0.0096)
15919	ATL8C45100_GENSCAN_predicted_peptide_1_210_aa	athook(HMM:0.044)
15920	ATL8C8710_GENSCAN_predicted_peptide_1_297_aa	athook(HMM:0.0011)
15921	ATL8C132_GENSCAN_predicted_peptide_1_611_aa	athook(HMM:0.0014),set(HMM:0.00048)
15922	ATL8C11841_GENSCAN_predicted_peptide_1_243_aa	b3(HMM:0.0092)
15923	ATL8C14288_GENSCAN_predicted_peptide_2_87_aa	b3(HMM:0.032)
15924	ATL8C18052_GENSCAN_predicted_peptide_1_222_aa	b3(HMM:7.4e-06)
15925	ATL8C1929_GENSCAN_predicted_peptide_1_217_aa	b3(HMM:1.1e-40)
15926	ATL8C21786_GENSCAN_predicted_peptide_1_498_aa	b3(HMM:0.041)
15927	ATL8C22967_GENSCAN_predicted_peptide_1_337_aa	b3(HMM:1.5e-53)

15928	ATL8C39082_GENSCAN_predi cted_peptide_1_418_aa	b3(HMM:3.5e-69)
15929	ATL8C43561_GENSCAN_predi cted_peptide_1_263_aa	b3(HMM:2e-40)
15930	ATL8C48995_GENSCAN_predi cted_peptide_1_231_aa	b3(HMM:1.6e-20)
15931	ATL8C48996_GENSCAN_predi cted_peptide_1_183_aa	b3(HMM:3.6e-22)
15932	ATL8C5313_GENSCAN_predict ed_peptide_1_731_aa	b3(HMM:8e-69)
15933	ATL8C5875_GENSCAN_predict ed_peptide_1_171_aa	b3(HMM:5e-24)
15934	ATL8C11876_GENSCAN_predi cted_peptide_1_582_aa	bah(HMM:3.4e-07)
15935	ATL8C15451_GENSCAN_predi cted_peptide_1_203_aa	bah(HMM:3.9)
15936	ATL8C1665_GENSCAN_predict ed_peptide_1_386_aa	bah(HMM:1.3e-70)
15937	ATL8C18782_GENSCAN_predi cted_peptide_1_164_aa	bah(HMM:3.2e-10)
15938	ATL8C24184_GENSCAN_predi cted_peptide_1_609_aa	bah(HMM:1.4e-11)
15939	ATL8C35085_GENSCAN_predi cted_peptide_1_192_aa	bah(HMM:1.8e-18)
15940	ATL8C35173_GENSCAN_predi cted_peptide_1_209_aa	bah(HMM:4.8e-35)
15941	ATL8C43261_GENSCAN_predi cted_peptide_2_1263_aa	bah(HMM:4.1e-61)
15942	ATL8C4764_GENSCAN_predict ed_peptide_1_349_aa	bah(HMM:2.9e-71)
15943	ATL8C6422_GENSCAN_predict ed_peptide_1_213_aa	bah(HMM:0.27)
15944	ATL8S16064_GENSCAN_predi cted_peptide_1_48_aa	bah(HMM:0.00039)
15945	ATL8S18273_GENSCAN_predi cted_peptide_1_125_aa	bah(HMM:4.1)
15946	ATL8S8693_GENSCAN_predict ed_peptide_1_117_aa	bah(HMM:0.0039)
15947	ATL8C20617_GENSCAN_predi cted_peptide_1_800_aa	bah(HMM:3.1e-24),phd(HMM:2.2e-12)
15948	ATL8C24259_GENSCAN_predi cted_peptide_1_174_aa	bah(HMM:7.1e-19),phd(HMM:0.00061)
15949	ATL8C1238_GENSCAN_predict ed_peptide_1_89_aa	bpf-1(HMM:1.3e-53)
15950	ATL8C20744_GENSCAN_predi cted_peptide_1_302_aa	bpf-1(HMM:2.8e-28)
15951	ATL8C30215_GENSCAN_predi cted_peptide_1_215_aa	bpf-1(HMM:2.2e-26)
15952	ATL8S1503_GENSCAN_predict ed_peptide_1_64_aa	bpf-1(HMM:1.4e-40)
15953	ATL8S18972_GENSCAN_predi cted_peptide_1_60_aa	bpf-1(HMM:1.2e-32)
15954	ATL8S20074_GENSCAN_predi cted_peptide_1_86_aa	bpf-1(HMM:3.5e-47)

15955	ATL8C49821_GENSCAN_predi cted_peptide_1_267_aa	bpf-1(HMM:9.9e-06),myb_dna- binding(HMM:0.018)
15956	ATL8C5769_GENSCAN_predict ed_peptide_1_379_aa	bpf-1(HMM:2e-33),myb_dna- binding(HMM:0.014)
15957	ATL8C5991_GENSCAN_predict ed_peptide_1_92_aa	bpf-1(HMM:0.00042),myb_dna- binding(HMM:0.78)
15958	ATL8C13222_GENSCAN_predi cted_peptide_2_339_aa	bromodomain(HMM:1.5e-05)
15959	ATL8C16281_GENSCAN_predi cted_peptide_1_188_aa	bromodomain(HMM:0.062)
15960	ATL8C19035_GENSCAN_predi cted_peptide_2_311_aa	bromodomain(HMM:2.9e-28)
15961	ATL8C20846_GENSCAN_predi cted_peptide_1_530_aa	bromodomain(HMM:1.9e-28)
15962	ATL8C21331_GENSCAN_predi cted_peptide_1_304_aa	bromodomain(HMM:1.5e-14)
15963	ATL8C22629_GENSCAN_predi cted_peptide_1_193_aa	bromodomain(HMM:0.0026)
15964	ATL8C22630_GENSCAN_predi cted_peptide_1_148_aa	bromodomain(HMM:0.11)
15965	ATL8C2897_GENSCAN_predict ed_peptide_1_455_aa	bromodomain(HMM:1.4e-06)
15966	ATL8C29272_GENSCAN_predi cted_peptide_1_538_aa	bromodomain(HMM:0.0001)
15967	ATL8C32145_GENSCAN_predi cted_peptide_1_325_aa	bromodomain(HMM:3.4e-33)
15968	ATL8C32893_GENSCAN_predi cted_peptide_1_437_aa	bromodomain(HMM:1.4e-09)
15969	ATL8C33727_GENSCAN_predi cted_peptide_1_416_aa	bromodomain(HMM:2.8e-29)
15970	ATL8C33728_GENSCAN_predi cted_peptide_1_230_aa	bromodomain(HMM:3.1e-25)
15971	ATL8C35329_GENSCAN_predi cted_peptide_1_340_aa	bromodomain(HMM:7.5e-32)
15972	ATL8C36150_GENSCAN_predi cted_peptide_1_909_aa	bromodomain(HMM:1.3e-11)
15973	ATL8C3716_GENSCAN_predict ed_peptide_1_323_aa	bromodomain(HMM:2.9e-15)
15974	ATL8C37176_GENSCAN_predi cted_peptide_1_474_aa	bromodomain(HMM:6.7e-32)
15975	ATL8C37518_GENSCAN_predi cted_peptide_1_85_aa	bromodomain(HMM:0.016)
15976	ATL8C38971_GENSCAN_predi cted_peptide_1_489_aa	bromodomain(HMM:1e-27)
15977	ATL8C4223_GENSCAN_predict ed_peptide_1_544_aa	bromodomain(HMM:1e-08)
15978	ATL8S11271_GENSCAN_predi cted_peptide_1_31_aa	bromodomain(HMM:3.9e-05)
15979	ATL8S12142_GENSCAN_predi cted_peptide_1_98_aa	bromodomain(HMM:2.5e-27)
15980	ATL8C10878_GENSCAN_predi cted_peptide_1_212_aa	bzip(HMM:0.062)
15981	ATL8C11165_GENSCAN_predi cted_peptide_1_299_aa	bzip(HMM:8.8e-07)

15982	ATL8C1239_GENSCAN_predict ed_peptide_2_180_aa	bzip(HMM:4.4e-16)
15983	ATL8C13299_GENSCAN_predi cted_peptide_1_433_aa	bzip(HMM:6.9e-18)
15984	ATL8C13317_GENSCAN_predi cted_peptide_1_369_aa	bzip(HMM:0.0022)
15985	ATL8C1368_GENSCAN_predict ed_peptide_2_200_aa	bzip(HMM:4.1e-23)
15986	ATL8C14056_GENSCAN_predi cted_peptide_4_495_aa	bzip(HMM:1.3e-11)
15987	ATL8C14451_GENSCAN_predi cted_peptide_2_344_aa	bzip(HMM:0.00043)
15988	ATL8C15588_GENSCAN_predi cted_peptide_1_145_aa	bzip(HMM:1e-09)
15989	ATL8C15596_GENSCAN_predi cted_peptide_1_170_aa	bzip(HMM:1.6e-14)
15990	ATL8C16240_GENSCAN_predi cted_peptide_2_602_aa	bzip(HMM:2.9e-11)
15991	ATL8C16804_GENSCAN_predi cted_peptide_1_315_aa	bzip(HMM:1.2e-11)
15992	ATL8C18855_GENSCAN_predi cted_peptide_1_240_aa	bzip(HMM:5)
15993	ATL8C19016_GENSCAN_predi cted_peptide_1_166_aa	bzip(HMM:1.3e-16)
15994	ATL8C21532_GENSCAN_predi cted_peptide_1_390_aa	bzip(HMM:9.7e-06)
15995	ATL8C23343_GENSCAN_predi cted_peptide_1_77_aa	bzip(HMM:0.019)
15996	ATL8C23412_GENSCAN_predi cted_peptide_1_190_aa	bzip(HMM:4.8e-15)
15997	ATL8C2367_GENSCAN_predict ed_peptide_2_391_aa	bzip(HMM:0.5)
15998	ATL8C25148_GENSCAN_predi cted_peptide_1_230_aa	bzip(HMM:0.00023)
15999	ATL8C25149_GENSCAN_predi cted_peptide_1_270_aa	bzip(HMM:0.00078)
16000	ATL8C27328_GENSCAN_predi cted_peptide_1_140_aa	bzip(HMM:2.2e-08)
16001	ATL8C31611_GENSCAN_predi cted_peptide_1_199_aa	bzip(HMM:9.4e-22)
16002	ATL8C31770_GENSCAN_predi cted_peptide_1_130_aa	bzip(HMM:8.5e-16)
16003	ATL8C33453_GENSCAN_predi cted_peptide_1_307_aa	bzip(HMM:0.079)
16004	ATL8C3345_GENSCAN_predict ed_peptide_1_228_aa	bzip(HMM:3.9e-20)
16005	ATL8C34124_GENSCAN_predi cted_peptide_1_65_aa	bzip(HMM:9.2e-07)
16006	ATL8C34862_GENSCAN_predi cted_peptide_1_498_aa	bzip(HMM:8.8e-11)
16007	ATL8C35623_GENSCAN_predi cted_peptide_1_520_aa	bzip(HMM:2.9e-16)
16008	ATL8C37065_GENSCAN_predi cted_peptide_1_126_aa	bzip(HMM:3.9e-07)

16009	ATL8C37659_GENSCAN_predi cted_peptide_1_169_aa	bzip(HMM:0.00053)
16010	ATL8C37660_GENSCAN_predi cted_peptide_1_102_aa	bzip(HMM:2e-10)
16011	ATL8C37834_GENSCAN_predi cted_peptide_1_455_aa	bzip(HMM:2.7e-16)
16012	ATL8C38074_GENSCAN_predi cted_peptide_1_171_aa	bzip(HMM:3.9e-13)
16013	ATL8C38955_GENSCAN_predi cted_peptide_1_372_aa	bzip(HMM:6.8e-06)
16014	ATL8C38957_GENSCAN_predi cted_peptide_1_260_aa	bzip(HMM:3.9e-11)
16015	ATL8C39610_GENSCAN_predi cted_peptide_1_274_aa	bzip(HMM:6.1e-15)
16016	ATL8C40695_GENSCAN_predi cted_peptide_1_295_aa	bzip(HMM:5.3e-06)
16017	ATL8C44410_GENSCAN_predi cted_peptide_1_273_aa	bzip(HMM:1.2e-09)
16018	ATL8C46713_GENSCAN_predi cted_peptide_5_248_aa	bzip(HMM:0.0093)
16019	ATL8C5698_GENSCAN_predict ed_peptide_1_146_aa	bzip(HMM:2.7e-11)
16020	ATL8C5855_GENSCAN_predict ed_peptide_1_209_aa	bzip(HMM:7.5e-17)
16021	ATL8C7360_GENSCAN_predict ed_peptide_1_355_aa	bzip(HMM:1.1e-11)
16022	ATL8C7677_GENSCAN_predict ed_peptide_1_346_aa	bzip(HMM:6.5e-15)
16023	ATL8C8666_GENSCAN_predict ed_peptide_1_98_aa	bzip(HMM:0.0027)
16024	ATL8C9187_GENSCAN_predict ed_peptide_1_209_aa	bzip(HMM:0.12)
16025	ATL8C9923_GENSCAN_predict ed_peptide_1_173_aa	bzip(HMM:2e-13)
16026	ATL8S18566_GENSCAN_predi cted_peptide_1_117_aa	bzip(HMM:6.8e-15)
16027	ATL8S28086_GENSCAN_predi cted_peptide_1_94_aa	bzip(HMM:8.5e-05)
16028	ATL8C1292_GENSCAN_predict ed_peptide_1_257_aa	bzip(HMM:0.031),homeobox(HMM:4.2e-16)
16029	ATL8C25606_GENSCAN_predi cted_peptide_1_327_aa	bzip(HMM:0.022),homeobox(HMM:9.8e-16)
16030	ATL8C19503_GENSCAN_predi cted_peptide_1_418_aa	cbfd_nfyb_hmf(HMM:2.2e-22)
16031	ATL8C19937_GENSCAN_predi cted_peptide_1_196_aa	cbfd_nfyb_hmf(HMM:1.6e-07)
16032	ATL8C22040_GENSCAN_predi cted_peptide_1_120_aa	cbfd_nfyb_hmf(HMM:2.9e-05)
16033	ATL8C27409_GENSCAN_predi cted_peptide_1_102_aa	cbfd_nfyb_hmf(HMM:0.029)
16034	ATL8C30032_GENSCAN_predi cted_peptide_2_217_aa	cbfd_nfyb_hmf(HMM:1.3e-23)
16035	ATL8C32120_GENSCAN_predi cted_peptide_1_118_aa	cbfd_nfyb_hmf(HMM:2e-36)

16036	ATL8C33923_GENSCAN_predicated_peptide_3_224_aa	cbfd_nfyb_hmf(HMM:2e-24)
16037	ATL8C34236_GENSCAN_predicated_peptide_1_201_aa	cbfd_nfyb_hmf(HMM:8e-16)
16038	ATL8C35132_GENSCAN_predicated_peptide_1_61_aa	cbfd_nfyb_hmf(HMM:0.62)
16039	ATL8C38143_GENSCAN_predicated_peptide_1_216_aa	cbfd_nfyb_hmf(HMM:1e-38)
16040	ATL8C47214_GENSCAN_predicated_peptide_2_678_aa	cbfd_nfyb_hmf(HMM:1.3e-23)
16041	ATL8C47289_GENSCAN_predicated_peptide_1_177_aa	cbfd_nfyb_hmf(HMM:1.6e-39)
16042	ATL8C48909_GENSCAN_predicated_peptide_1_142_aa	cbfd_nfyb_hmf(HMM:9.9e-14)
16043	ATL8C5100_GENSCAN_predicted_peptide_1_71_aa	cbfd_nfyb_hmf(HMM:1e-08)
16044	ATL8C829_GENSCAN_predicted_peptide_1_160_aa	cbfd_nfyb_hmf(HMM:1.2e-08)
16045	ATL8C15044_GENSCAN_predicated_peptide_2_103_aa	cbfd_nfyb_hmf(HMM:0.099),histone(HMM:1.7e-19)
16046	ATL8C35783_GENSCAN_predicated_peptide_1_136_aa	cbfd_nfyb_hmf(HMM:0.012),histone(HMM:3.9e-52)
16047	ATL8C42081_GENSCAN_predicated_peptide_1_103_aa	cbfd_nfyb_hmf(HMM:0.099),histone(HMM:1.7e-19)
16048	ATL8C50238_GENSCAN_predicated_peptide_1_103_aa	cbfd_nfyb_hmf(HMM:0.099),histone(HMM:1.7e-19)
16049	ATL8S10143_GENSCAN_predicated_peptide_1_62_aa	cbfd_nfyb_hmf(HMM:3.8),histone(HMM:2.2e-10)
16050	ATL8C26273_GENSCAN_predicated_peptide_1_256_aa	cbfd_nfyb_hmf(HMM:5.1e-36),trihelix(HMM:4.2)
16051	ATL8C10174_GENSCAN_predicated_peptide_1_722_aa	chromo(HMM:0.017)
16052	ATL8C25064_GENSCAN_predicated_peptide_1_176_aa	chromo(HMM:0.00057)
16053	ATL8C2597_GENSCAN_predicted_peptide_1_290_aa	chromo(HMM:0.087)
16054	ATL8C26436_GENSCAN_predicated_peptide_1_144_aa	chromo(HMM:0.005)
16055	ATL8C37437_GENSCAN_predicated_peptide_1_439_aa	chromo(HMM:1e-17)
16056	ATL8C3846_GENSCAN_predicted_peptide_1_1168_aa	chromo(HMM:0.058)
16057	ATL8C43394_GENSCAN_predicated_peptide_1_317_aa	chromo(HMM:0.0026)
16058	ATL8C4472_GENSCAN_predicted_peptide_1_514_aa	chromo(HMM:0.0017)
16059	ATL8C4796_GENSCAN_predicted_peptide_2_451_aa	chromo(HMM:0.005)
16060	ATL8C8545_GENSCAN_predicted_peptide_1_725_aa	chromo(HMM:0.014)
16061	ATL8S11840_GENSCAN_predicated_peptide_1_61_aa	chromo(HMM:2.1e-08)
16062	ATL8S12870_GENSCAN_predicated_peptide_1_35_aa	chromo(HMM:0.0093)

16063	ATL8C5666_GENSCAN_predict ed_peptide_1_137_aa	chromo(HMM:1.3),snf2_n(HMM :4.5e-19)
16064	ATL8C23249_GENSCAN_predi cted_peptide_1_135_aa	csd(HMM:1.9e-21)
16065	ATL8C2397_GENSCAN_predict ed_peptide_1_258_aa	csd(HMM:1.1e-23)
16066	ATL8C35115_GENSCAN_predi cted_peptide_2_179_aa	csd(HMM:7.6e-23)
16067	ATL8C12027_GENSCAN_predi cted_peptide_1_174_aa	dof(HMM:7)
16068	ATL8C1307_GENSCAN_predict ed_peptide_1_139_aa	dof(HMM:1.6e-34)
16069	ATL8C13085_GENSCAN_predi cted_peptide_1_281_aa	dof(HMM:2.6e-37)
16070	ATL8C14078_GENSCAN_predi cted_peptide_1_222_aa	dof(HMM:4.8e-35)
16071	ATL8C16392_GENSCAN_predi cted_peptide_1_344_aa	dof(HMM:2.1e-36)
16072	ATL8C23455_GENSCAN_predi cted_peptide_1_303_aa	dof(HMM:1.4e-36)
16073	ATL8C3045_GENSCAN_predict ed_peptide_1_107_aa	dof(HMM:0.01)
16074	ATL8C420_GENSCAN_predicte d_peptide_1_251_aa	dof(HMM:1.2e-36)
16075	ATL8C47245_GENSCAN_predi cted_peptide_1_348_aa	dof(HMM:8.6e-36)
16076	ATL8C47651_GENSCAN_predi cted_peptide_1_312_aa	dof(HMM:2.2e-36)
16077	ATL8C48462_GENSCAN_predi cted_peptide_1_170_aa	dof(HMM:5.4e-36)
16078	ATL8C5274_GENSCAN_predict ed_peptide_1_75_aa	dof(HMM:7.4e-26)
16079	ATL8C9479_GENSCAN_predict ed_peptide_1_263_aa	dof(HMM:3.1e-35)
16080	ATL8C9562_GENSCAN_predict ed_peptide_1_279_aa	dof(HMM:0.0016)
16081	ATL8S7393_GENSCAN_predict ed_peptide_1_68_aa	dof(HMM:2.7e-27)
16082	ATL8C11450_GENSCAN_predi cted_peptide_1_124_aa	dpb(HMM:3.3e-28)
16083	ATL8C19510_GENSCAN_predi cted_peptide_1_83_aa	dpb(HMM:1.2e-07)
16084	ATL8C24139_GENSCAN_predi cted_peptide_1_264_aa	dpb(HMM:0.62)
16085	ATL8C27586_GENSCAN_predi cted_peptide_1_92_aa	dpb(HMM:1.7e-36)
16086	ATL8C42989_GENSCAN_predi cted_peptide_1_283_aa	dpb(HMM:8e-18)
16087	ATL8C46424_GENSCAN_predi cted_peptide_1_347_aa	dpb(HMM:0.0047)
16088	ATL8C15998_GENSCAN_predi cted_peptide_2_60_aa	enbp(HMM:8.9e-18)
16089	ATL8C2233_GENSCAN_predict ed_peptide_1_40_aa	enbp(HMM:1e-23)

16090	ATL8C23551_GENSCAN_predi cted_peptide_1_141_aa	enbp(HMM:0.00032)
16091	ATL8C25161_GENSCAN_predi cted_peptide_1_233_aa	enbp(HMM:4.3e-28)
16092	ATL8C35332_GENSCAN_predi cted_peptide_1_72_aa	enbp(HMM:6.7e-31)
16093	ATL8C37699_GENSCAN_predi cted_peptide_1_146_aa	enbp(HMM:1.8e-06)
16094	ATL8C4017_GENSCAN_predict ed_peptide_1_101_aa	enbp(HMM:0.026)
16095	ATL8C42872_GENSCAN_predi cted_peptide_1_121_aa	enbp(HMM:7.1e-27)
16096	ATL8C45996_GENSCAN_predi cted_peptide_1_256_aa	enbp(HMM:0.00091)
16097	ATL8C47426_GENSCAN_predi cted_peptide_1_286_aa	enbp(HMM:1.1e-47)
16098	ATL8S943_GENSCAN_predicte d_peptide_1_41_aa	enbp(HMM:3.4e-07)
16099	ATL8C14586_GENSCAN_predi cted_peptide_1_147_aa	gata(HMM:3.5)
16100	ATL8C15894_GENSCAN_predi cted_peptide_1_315_aa	gata(HMM:2.5e-14)
16101	ATL8C1696_GENSCAN_predict ed_peptide_1_527_aa	gata(HMM:6.3e-17)
16102	ATL8C21837_GENSCAN_predi cted_peptide_1_264_aa	gata(HMM:2.3e-15)
16103	ATL8C22730_GENSCAN_predi cted_peptide_1_339_aa	gata(HMM:5.4e-16)
16104	ATL8C24077_GENSCAN_predi cted_peptide_2_238_aa	gata(HMM:2.3e-15)
16105	ATL8C24078_GENSCAN_predi cted_peptide_1_68_aa	gata(HMM:0.00019)
16106	ATL8C26960_GENSCAN_predi cted_peptide_1_178_aa	gata(HMM:6.5e-15)
16107	ATL8C33766_GENSCAN_predi cted_peptide_1_231_aa	gata(HMM:1.7e-17)
16108	ATL8C3817_GENSCAN_predict ed_peptide_1_63_aa	gata(HMM:0.43)
16109	ATL8C38347_GENSCAN_predi cted_peptide_1_269_aa	gata(HMM:5.6e-16)
16110	ATL8C40525_GENSCAN_predi cted_peptide_1_192_aa	gata(HMM:2.5e-13)
16111	ATL8C48623_GENSCAN_predi cted_peptide_1_38_aa	gata(HMM:2.2e-05)
16112	ATL8C49952_GENSCAN_predi cted_peptide_1_195_aa	gata(HMM:4.1e-17)
16113	ATL8C5224_GENSCAN_predict ed_peptide_1_240_aa	gata(HMM:1.8e-15)
16114	ATL8C6407_GENSCAN_predict ed_peptide_1_134_aa	gata(HMM:2.8e-17)
16115	ATL8C728_GENSCAN_predicte d_peptide_1_169_aa	gata(HMM:1.2e-12)
16116	ATL8C778_GENSCAN_predicte d_peptide_2_211_aa	gata(HMM:1.5e-06)

16117	ATL8C7826_GENSCAN_predict ed_peptide_1_177_aa	gata(HMM:2e-09)
16118	ATL8C11779_GENSCAN_predi cted_peptide_1_318_aa	gld-tea(HMM:0.0031)
16119	ATL8C12143_GENSCAN_predi cted_peptide_1_218_aa	gld-tea(HMM:1.3)
16120	ATL8C1308_GENSCAN_predict ed_peptide_1_214_aa	gld-tea(HMM:0.00033)
16121	ATL8C13534_GENSCAN_predi cted_peptide_1_404_aa	gld-tea(HMM:0.062)
16122	ATL8C14698_GENSCAN_predi cted_peptide_1_79_aa	gld-tea(HMM:0.02)
16123	ATL8C1635_GENSCAN_predict ed_peptide_1_327_aa	gld-tea(HMM:2.5e-25)
16124	ATL8C17183_GENSCAN_predi cted_peptide_1_223_aa	gld-tea(HMM:1.5e-35)
16125	ATL8C19956_GENSCAN_predi cted_peptide_1_381_aa	gld-tea(HMM:4.3e-31)
16126	ATL8C25794_GENSCAN_predi cted_peptide_1_142_aa	gld-tea(HMM:6.4e-32)
16127	ATL8C26025_GENSCAN_predi cted_peptide_1_70_aa	gld-tea(HMM:0.0052)
16128	ATL8C26579_GENSCAN_predi cted_peptide_1_81_aa	gld-tea(HMM:0.049)
16129	ATL8C26638_GENSCAN_predi cted_peptide_1_206_aa	gld-tea(HMM:9.9e-33)
16130	ATL8C27176_GENSCAN_predi cted_peptide_1_67_aa	gld-tea(HMM:0.0077)
16131	ATL8C27237_GENSCAN_predi cted_peptide_1_53_aa	gld-tea(HMM:4.3e-21)
16132	ATL8C28358_GENSCAN_predi cted_peptide_1_85_aa	gld-tea(HMM:0.062)
16133	ATL8C31026_GENSCAN_predi cted_peptide_1_273_aa	gld-tea(HMM:0.00016)
16134	ATL8C35507_GENSCAN_predi cted_peptide_1_92_aa	gld-tea(HMM:0.00033)
16135	ATL8C4485_GENSCAN_predict ed_peptide_1_303_aa	gld-tea(HMM:5.7e-28)
16136	ATL8C46237_GENSCAN_predi cted_peptide_1_323_aa	gld-tea(HMM:2.1e-39)
16137	ATL8C49028_GENSCAN_predi cted_peptide_1_305_aa	gld-tea(HMM:5e-38)
16138	ATL8C49029_GENSCAN_predi cted_peptide_1_242_aa	gld-tea(HMM:5e-38)
16139	ATL8C6862_GENSCAN_predict ed_peptide_1_163_aa	gld-tea(HMM:0.0015)
16140	ATL8C9194_GENSCAN_predict ed_peptide_1_267_aa	gld-tea(HMM:0.0003)
16141	ATL8C9662_GENSCAN_predict ed_peptide_1_88_aa	gld-tea(HMM:1.2e-09)
16142	ATL8C9728_GENSCAN_predict ed_peptide_1_92_aa	gld-tea(HMM:1.2e-24)
16143	ATL8S19866_GENSCAN_predi cted_peptide_1_46_aa	gld-tea(HMM:0.0021)

16144	ATL8S29026_GENSCAN_predi cted_peptide_1_82_aa	gld-tea(HMM:0.014)
16145	ATL8C13536_GENSCAN_predi cted_peptide_1_334_aa	gld-tea(HMM:5.6e-42),response_reg(HMM:2.4e-15)
16146	ATL8C17346_GENSCAN_predi cted_peptide_1_737_aa	gld-tea(HMM:1.2e-34),response_reg(HMM:8.3e-33)
16147	ATL8C9659_GENSCAN_predict ed_peptide_1_178_aa	gld-tea(HMM:9.2e-31),response_reg(HMM:0.081)
16148	ATL8C9660_GENSCAN_predict ed_peptide_1_187_aa	gld-tea(HMM:0.0044),response_reg(HMM:4.5e-11)
16149	ATL8S28887_GENSCAN_predi cted_peptide_1_157_aa	hhh(HMM:2.2)
16150	ATL8C15779_GENSCAN_predi cted_peptide_1_100_aa	hist_deacetyl(HMM:6.6e-11)
16151	ATL8C16300_GENSCAN_predi cted_peptide_1_551_aa	hist_deacetyl(HMM:2.8e-25)
16152	ATL8C16945_GENSCAN_predi cted_peptide_1_923_aa	hist_deacetyl(HMM:7.6e-182)
16153	ATL8C17477_GENSCAN_predi cted_peptide_1_262_aa	hist_deacetyl(HMM:6.6e-35)
16154	ATL8C23730_GENSCAN_predi cted_peptide_1_181_aa	hist_deacetyl(HMM:0.0071)
16155	ATL8C24227_GENSCAN_predi cted_peptide_1_255_aa	hist_deacetyl(HMM:9.5e-06)
16156	ATL8C27223_GENSCAN_predi cted_peptide_1_223_aa	hist_deacetyl(HMM:2.2e-31)
16157	ATL8C36116_GENSCAN_predi cted_peptide_1_206_aa	hist_deacetyl(HMM:0.0017)
16158	ATL8C37985_GENSCAN_predi cted_peptide_1_195_aa	hist_deacetyl(HMM:7e-47)
16159	ATL8C40721_GENSCAN_predi cted_peptide_1_149_aa	hist_deacetyl(HMM:0.003)
16160	ATL8C47351_GENSCAN_predi cted_peptide_2_160_aa	hist_deacetyl(HMM:4.7e-06)
16161	ATL8C7382_GENSCAN_predict ed_peptide_1_200_aa	hist_deacetyl(HMM:3.1e-08)
16162	ATL8C13494_GENSCAN_predi cted_peptide_1_136_aa	histone(HMM:7.5e-48)
16163	ATL8C14384_GENSCAN_predi cted_peptide_2_145_aa	histone(HMM:2.8e-48)
16164	ATL8C14785_GENSCAN_predi cted_peptide_2_111_aa	histone(HMM:9.4e-20)
16165	ATL8C15061_GENSCAN_predi cted_peptide_1_136_aa	histone(HMM:8.1e-48)
16166	ATL8C15326_GENSCAN_predi cted_peptide_1_39_aa	histone(HMM:2.9e-06)
16167	ATL8C15690_GENSCAN_predi cted_peptide_1_135_aa	histone(HMM:1.6e-05)
16168	ATL8C15902_GENSCAN_predi cted_peptide_1_136_aa	histone(HMM:2.2e-44)
16169	ATL8C21346_GENSCAN_predi cted_peptide_1_245_aa	histone(HMM:6.8e-29)
16170	ATL8C22933_GENSCAN_predi	histone(HMM:0.13)

	cted_peptide_1_63_aa	
16171	ATL8C24066_GENSCAN_predi	histone(HMM:1.2e-23)
	cted_peptide_1_94_aa	
16172	ATL8C24887_GENSCAN_predi	histone(HMM:5.2e-42)
	cted_peptide_1_203_aa	
16173	ATL8C25827_GENSCAN_predi	histone(HMM:5.5e-31)
	cted_peptide_2_131_aa	
16174	ATL8C26567_GENSCAN_predi	histone(HMM:6.5e-12)
	cted_peptide_1_53_aa	
16175	ATL8C26990_GENSCAN_predi	histone(HMM:0.47)
	cted_peptide_1_159_aa	
16176	ATL8C30536_GENSCAN_predi	histone(HMM:4.2e-07)
	cted_peptide_1_39_aa	
16177	ATL8C30848_GENSCAN_predi	histone(HMM:8.1e-48)
	cted_peptide_2_136_aa	
16178	ATL8C31034_GENSCAN_predi	histone(HMM:1.9e-48)
	cted_peptide_2_148_aa	
16179	ATL8C32941_GENSCAN_predi	histone(HMM:7e-47)
	cted_peptide_1_243_aa	
16180	ATL8C41472_GENSCAN_predi	histone(HMM:1.5e-33)
	cted_peptide_1_117_aa	
16181	ATL8C42864_GENSCAN_predi	histone(HMM:8.1e-48)
	cted_peptide_1_170_aa	
16182	ATL8C43629_GENSCAN_predi	histone(HMM:3.9e-32)
	cted_peptide_1_418_aa	
16183	ATL8C46495_GENSCAN_predi	histone(HMM:2.1e-47)
	cted_peptide_2_136_aa	
16184	ATL8C46569_GENSCAN_predi	histone(HMM:1.9e-06)
	cted_peptide_1_140_aa	
16185	ATL8C48736_GENSCAN_predi	histone(HMM:6.2e-06)
	cted_peptide_1_213_aa	
16186	ATL8C48831_GENSCAN_predi	histone(HMM:3.4e-47)
	cted_peptide_1_221_aa	
16187	ATL8C5765_GENSCAN_predict	histone(HMM:1.2e-22)
	ed_peptide_1_88_aa	
16188	ATL8C9026_GENSCAN_predict	histone(HMM:1.6e-12)
	ed_peptide_2_427_aa	
16189	ATL8S7617_GENSCAN_predict	histone(HMM:1.9e-27)
	ed_peptide_1_138_aa	
16190	ATL8C10411_GENSCAN_predi	hlh(HMM:0.92)
	cted_peptide_1_184_aa	
16191	ATL8C10699_GENSCAN_predi	hlh(HMM:2.7e-13)
	cted_peptide_1_271_aa	
16192	ATL8C11933_GENSCAN_predi	hlh(HMM:7.6e-11)
	cted_peptide_1_343_aa	
16193	ATL8C12373_GENSCAN_predi	hlh(HMM:0.00026)
	cted_peptide_1_132_aa	
16194	ATL8C12451_GENSCAN_predi	hlh(HMM:0.031)
	cted_peptide_1_196_aa	
16195	ATL8C13458_GENSCAN_predi	hlh(HMM:2.3e-11)
	cted_peptide_1_258_aa	
16196	ATL8C1467_GENSCAN_predict	hlh(HMM:0.00041)
	ed_peptide_1_347_aa	
16197	ATL8C15146_GENSCAN_predi	hlh(HMM:1.1)

16225	cted_peptide_1_145_aa ATL8C41999_GENSCAN_predi	hlh(HMM:0.0014)
16226	cted_peptide_1_152_aa ATL8C42474_GENSCAN_predi	hlh(HMM:5.1e-10)
16227	cted_peptide_2_155_aa ATL8C42741_GENSCAN_predi	hlh(HMM:8.1e-10)
16228	cted_peptide_1_280_aa ATL8C4401_GENSCAN_predict	hlh(HMM:1.1e-08)
16229	ed_peptide_1_177_aa ATL8C45545_GENSCAN_predi	hlh(HMM:2.4e-15)
16230	cted_peptide_1_491_aa ATL8C45714_GENSCAN_predi	hlh(HMM:0.0013)
16231	cted_peptide_1_177_aa ATL8C46265_GENSCAN_predi	hlh(HMM:2.3e-10)
16232	cted_peptide_1_418_aa ATL8C48286_GENSCAN_predi	hlh(HMM:4.1e-11)
16233	cted_peptide_1_268_aa ATL8C48443_GENSCAN_predi	hlh(HMM:3.8e-07)
16234	cted_peptide_1_390_aa ATL8C4859_GENSCAN_predict	hlh(HMM:7.3e-16)
16235	ed_peptide_1_614_aa ATL8C4950_GENSCAN_predict	hlh(HMM:0.042)
16236	ed_peptide_1_242_aa ATL8C49678_GENSCAN_predi	hlh(HMM:1.1e-14)
16237	cted_peptide_1_422_aa ATL8C49695_GENSCAN_predi	hlh(HMM:0.0047)
16238	cted_peptide_1_140_aa ATL8C5482_GENSCAN_predict	hlh(HMM:2e-15)
16239	ed_peptide_2_180_aa ATL8C7759_GENSCAN_predict	hlh(HMM:7.4e-14)
16240	ed_peptide_1_274_aa ATL8C8593_GENSCAN_predict	hlh(HMM:9.8e-16)
16241	ed_peptide_1_142_aa ATL8C9091_GENSCAN_predict	hlh(HMM:2.1e-08)
16242	ed_peptide_1_229_aa ATL8S10673_GENSCAN_predi	hlh(HMM:0.11)
16243	cted_peptide_1_63_aa ATL8S11241_GENSCAN_predi	hlh(HMM:0.0013)
16244	cted_peptide_1_132_aa ATL8S16763_GENSCAN_predi	hlh(HMM:3.1e-15)
16245	cted_peptide_1_153_aa ATL8S325_GENSCAN_predicte	hlh(HMM:5.2e-10)
16246	d_peptide_1_79_aa ATL8C16680_GENSCAN_predi	hlh_e2f(1.8e-21)
16247	cted_peptide_1_459_aa ATL8C2226_GENSCAN_predict	hlh_e2f(7.1e-09)
16248	ed_peptide_1_95_aa ATL8C15784_GENSCAN_predi	hmg_box(HMM:4.2e-14)
16249	cted_peptide_1_186_aa ATL8C19271_GENSCAN_predi	hmg_box(HMM:3.5e-09)
16250	cted_peptide_1_129_aa ATL8C29808_GENSCAN_predi	hmg_box(HMM:0.14)
16251	cted_peptide_1_76_aa ATL8C30090_GENSCAN_predi	hmg_box(HMM:4.3e-12)

16252	cted_peptide_2_161_aa ATL8C39954_GENSCAN_predi	hmg_box(HMM:5.5e-52)
16253	cted_peptide_1_353_aa ATL8C4162_GENSCAN_predict	hmg_box(HMM:1.2e-30)
16254	ed_peptide_2_299_aa ATL8C46030_GENSCAN_predi	hmg_box(HMM:1.2e-33)
16255	cted_peptide_1_524_aa ATL8C862_GENSCAN_predicte	hmg_box(HMM:0.0009)
16256	d_peptide_1_159_aa ATL8C9528_GENSCAN_predict	hmg_box(HMM:1.2e-23)
16257	ed_peptide_2_225_aa ATL8C12400_GENSCAN_predi	homeobox(HMM:0.03)
16258	cted_peptide_1_148_aa ATL8C13558_GENSCAN_predi	homeobox(HMM:9.3)
16259	cted_peptide_1_75_aa ATL8C16087_GENSCAN_predi	homeobox(HMM:1.3e-19)
16260	cted_peptide_1_182_aa ATL8C1641_GENSCAN_predict	homeobox(HMM:5.5e-07)
16261	ed_peptide_1_411_aa ATL8C16579_GENSCAN_predi	homeobox(HMM:4.4e-16)
16262	cted_peptide_1_318_aa ATL8C175_GENSCAN_predicte	homeobox(HMM:2e-07)
16263	d_peptide_1_77_aa ATL8C18692_GENSCAN_predi	homeobox(HMM:7e-13)
16264	cted_peptide_1_82_aa ATL8C22416_GENSCAN_predi	homeobox(HMM:8.1e-20)
16265	cted_peptide_2_137_aa ATL8C23245_GENSCAN_predi	homeobox(HMM:3.2e-15)
16266	cted_peptide_1_235_aa ATL8C2452_GENSCAN_predict	homeobox(HMM:7.7e-19)
16267	ed_peptide_1_256_aa ATL8C24669_GENSCAN_predi	homeobox(HMM:0.015)
16268	cted_peptide_1_263_aa ATL8C25086_GENSCAN_predi	homeobox(HMM:2.3e-17)
16269	cted_peptide_1_205_aa ATL8C26051_GENSCAN_predi	homeobox(HMM:1.4e-07)
16270	cted_peptide_1_78_aa ATL8C26566_GENSCAN_predi	homeobox(HMM:0.061)
16271	cted_peptide_1_131_aa ATL8C26603_GENSCAN_predi	homeobox(HMM:7.5e-19)
16272	cted_peptide_1_156_aa ATL8C32595_GENSCAN_predi	homeobox(HMM:1e-19)
16273	cted_peptide_1_351_aa ATL8C33323_GENSCAN_predi	homeobox(HMM:6.5e-05)
16274	cted_peptide_1_279_aa ATL8C36588_GENSCAN_predi	homeobox(HMM:1.2e-17)
16275	cted_peptide_2_258_aa ATL8C37164_GENSCAN_predi	homeobox(HMM:3e-20)
16276	cted_peptide_1_236_aa ATL8C37722_GENSCAN_predi	homeobox(HMM:0.019)
16277	cted_peptide_1_166_aa ATL8C38809_GENSCAN_predi	homeobox(HMM:8.8e-19)
16278	cted_peptide_1_159_aa ATL8C42322_GENSCAN_predi	homeobox(HMM:9.9e-06)

16279	cted_peptide_1_116_aa ATL8C43913_GENSCAN_predi	homeobox(HMM:2.9e-16)
16280	cted_peptide_1_215_aa ATL8C44595_GENSCAN_predi	homeobox(HMM:4.2e-13)
16281	cted_peptide_1_288_aa ATL8C45830_GENSCAN_predi	homeobox(HMM:6.7e-20)
16282	cted_peptide_1_681_aa ATL8C47502_GENSCAN_predi	homeobox(HMM:0.00015)
16283	cted_peptide_1_40_aa ATL8C47873_GENSCAN_predi	homeobox(HMM:0.0031)
16284	cted_peptide_1_183_aa ATL8C4831_GENSCAN_predict	homeobox(HMM:4.7e-06)
16285	ed_peptide_1_356_aa ATL8C48864_GENSCAN_predi	homeobox(HMM:0.082)
16286	cted_peptide_1_275_aa ATL8C49288_GENSCAN_predi	homeobox(HMM:8.6e-21)
16287	cted_peptide_1_441_aa ATL8C6479_GENSCAN_predict	homeobox(HMM:3.2e-17)
16288	ed_peptide_1_233_aa ATL8C6499_GENSCAN_predict	homeobox(HMM:6.8e-09)
16289	ed_peptide_1_282_aa ATL8C8164_GENSCAN_predict	homeobox(HMM:3.8e-19)
16290	ed_peptide_1_243_aa ATL8C8866_GENSCAN_predict	homeobox(HMM:9e-20)
16291	ed_peptide_1_113_aa ATL8C9574_GENSCAN_predict	homeobox(HMM:8.7e-19)
16292	ed_peptide_1_248_aa ATL8C9652_GENSCAN_predict	homeobox(HMM:0.0037)
16293	ed_peptide_1_116_aa ATL8C9857_GENSCAN_predict	homeobox(HMM:8.3e-10)
16294	ed_peptide_1_163_aa ATL8S3119_GENSCAN_predict	homeobox(HMM:2e-19)
16295	ed_peptide_1_139_aa ATL8C11648_GENSCAN_predi	homeobox(HMM:0.79),homeobo
16296	cted_peptide_1_52_aa ATL8C21868_GENSCAN_predi	x_knox3(1.7e-12) homeobox(HMM:0.1),homeobox
16297	cted_peptide_1_99_aa ATL8C23768_GENSCAN_predi	_knox3(3.5e-07) homeobox(HMM:0.00011),homeo
16298	cted_peptide_1_526_aa ATL8C26459_GENSCAN_predi	obox_knox3(2.2e-10) homeobox(HMM:0.001),homeob
16299	cted_peptide_1_258_aa ATL8C45512_GENSCAN_predi	ox_knox3(2.6e-09) homeobox(HMM:0.0008),homeo
16300	cted_peptide_1_680_aa ATL8C48577_GENSCAN_predi	box_knox3(1.5e-09) homeobox(HMM:0.0029),homeo
16301	cted_peptide_1_192_aa ATL8C50117_GENSCAN_predi	box_knox3(1.7e-06) homeobox(HMM:0.42),homeobo
16302	cted_peptide_1_76_aa ATL8C11646_GENSCAN_predi	x_knox3(5.3e-06) homeobox_knox3(1.7e-11)
16303	cted_peptide_1_298_aa ATL8C24225_GENSCAN_predi	homeobox_knox3(5.9e-12)
16304	cted_peptide_1_187_aa ATL8C47661_GENSCAN_predi	homeobox_knox3(6.2e-16)
16305	cted_peptide_1_185_aa ATL8C6026_GENSCAN_predict	homeobox_knox3(2.0e-05)

16306	ed_peptide_1_74_aa ATL8C16575_GENSCAN_predi	hsf_dna-bind(HMM:2.8e-15)
16307	cted_peptide_1_51_aa ATL8C17036_GENSCAN_predi	hsf_dna-bind(HMM:7.9)
16308	cted_peptide_1_85_aa ATL8C17709_GENSCAN_predi	hsf_dna-bind(HMM:0.0082)
16309	cted_peptide_1_220_aa ATL8C27659_GENSCAN_predi	hsf_dna-bind(HMM:1.1e-07)
16310	cted_peptide_1_82_aa ATL8C31854_GENSCAN_predi	hsf_dna-bind(HMM:4.4e-05)
16311	cted_peptide_1_273_aa ATL8C32229_GENSCAN_predi	hsf_dna-bind(HMM:4.3e-99)
16312	cted_peptide_2_476_aa ATL8C34329_GENSCAN_predi	hsf_dna-bind(HMM:0.0014)
16313	cted_peptide_1_202_aa ATL8C35490_GENSCAN_predi	hsf_dna-bind(HMM:0.0015)
16314	cted_peptide_1_115_aa ATL8C36029_GENSCAN_predi	hsf_dna-bind(HMM:3.4e-05)
16315	cted_peptide_1_130_aa ATL8C36103_GENSCAN_predi	hsf_dna-bind(HMM:9.7e-10)
16316	cted_peptide_1_448_aa ATL8C36464_GENSCAN_predi	hsf_dna-bind(HMM:3.9e-05)
16317	cted_peptide_1_92_aa ATL8C37494_GENSCAN_predi	hsf_dna-bind(HMM:1.9e-58)
16318	cted_peptide_1_272_aa ATL8C3993_GENSCAN_predict	hsf_dna-bind(HMM:0.00015)
16319	ed_peptide_1_211_aa ATL8C4150_GENSCAN_predict	hsf_dna-bind(HMM:0.0017)
16320	ed_peptide_1_105_aa ATL8C435_GENSCAN_predicte	hsf_dna-bind(HMM:2.6e-16)
16321	d_peptide_2_412_aa ATL8C44080_GENSCAN_predi	hsf_dna-bind(HMM:1.3e-57)
16322	cted_peptide_2_282_aa ATL8C48561_GENSCAN_predi	hsf_dna-bind(HMM:3.1e-60)
16323	cted_peptide_1_251_aa ATL8S13994_GENSCAN_predi	hsf_dna-bind(HMM:6.6e-06)
16324	cted_peptide_1_92_aa ATL8S26157_GENSCAN_predi	hsf_dna-bind(HMM:6.3e-08)
16325	cted_peptide_1_70_aa ATL8S30637_GENSCAN_predi	hsf_dna-bind(HMM:0.0021)
16326	cted_peptide_1_72_aa ATL8C12290_GENSCAN_predi	iaa(HMM:1.2e-61)
16327	cted_peptide_1_216_aa ATL8C13298_GENSCAN_predi	iaa(HMM:3.1e-22)
16328	cted_peptide_1_128_aa ATL8C15121_GENSCAN_predi	iaa(HMM:5.8e-09)
16329	cted_peptide_1_96_aa ATL8C17000_GENSCAN_predi	iaa(HMM:2e-47)
16330	cted_peptide_1_206_aa ATL8C19754_GENSCAN_predi	iaa(HMM:0.16)
16331	cted_peptide_1_517_aa ATL8C24242_GENSCAN_predi	iaa(HMM:8.5e-23)
16332	cted_peptide_2_392_aa ATL8C2460_GENSCAN_predict	iaa(HMM:2.5e-56)

16333	ed_peptide_1_246_aa ATL8C27104_GENSCAN_predi	iaa(HMM:5.3e-23)
16334	cted_peptide_2_80_aa ATL8C28897_GENSCAN_predi	iaa(HMM:0.13)
16335	cted_peptide_1_94_aa ATL8C33382_GENSCAN_predi	iaa(HMM:1.4e-15)
16336	cted_peptide_1_174_aa ATL8C37213_GENSCAN_predi	iaa(HMM:0.002)
16337	cted_peptide_1_224_aa ATL8C37803_GENSCAN_predi	iaa(HMM:1e-59)
16338	cted_peptide_1_141_aa ATL8C38316_GENSCAN_predi	iaa(HMM:0.004)
16339	cted_peptide_1_137_aa ATL8C39087_GENSCAN_predi	iaa(HMM:9.8e-37)
16340	cted_peptide_1_178_aa ATL8C40471_GENSCAN_predi	iaa(HMM:6.2e-40)
16341	cted_peptide_1_131_aa ATL8C42890_GENSCAN_predi	iaa(HMM:1.6)
16342	cted_peptide_1_84_aa ATL8C45997_GENSCAN_predi	iaa(HMM:1.4e-19)
16343	cted_peptide_1_92_aa ATL8C475_GENSCAN_predicte	iaa(HMM:1.5e-51)
16344	d_peptide_1_109_aa ATL8C48876_GENSCAN_predi	iaa(HMM:5.5e-25)
16345	cted_peptide_1_157_aa ATL8C49064_GENSCAN_predi	iaa(HMM:9.8e-57)
16346	cted_peptide_1_130_aa ATL8C49366_GENSCAN_predi	iaa(HMM:1.9e-58)
16347	cted_peptide_1_226_aa ATL8C531_GENSCAN_predicte	iaa(HMM:6.9e-44)
16348	d_peptide_1_230_aa ATL8C5726_GENSCAN_predict	iaa(HMM:5.5e-65)
16349	ed_peptide_1_229_aa ATL8C9338_GENSCAN_predict	iaa(HMM:7.2e-05)
16350	ed_peptide_1_183_aa ATL8C9656_GENSCAN_predict	iaa(HMM:7.8e-05)
16351	ed_peptide_1_124_aa ATL8C9898_GENSCAN_predict	iaa(HMM:6.3e-13)
16352	ed_peptide_1_78_aa ATL8S23269_GENSCAN_predi	iaa(HMM:5.6e-05)
16353	cted_peptide_1_70_aa ATL8S3064_GENSCAN_predict	iaa(HMM:1.6e-08)
16354	ed_peptide_1_95_aa ATL8S92_GENSCAN_predicted	iaa(HMM:1.1e-37)
16355	_peptide_1_107_aa ATL8C10971_GENSCAN_predi	ibr(HMM:0.011)
16356	cted_peptide_1_1050_aa ATL8C17658_GENSCAN_predi	ibr(HMM:1e-06)
16357	cted_peptide_1_370_aa ATL8C18646_GENSCAN_predi	ibr(HMM:0.00012)
16358	cted_peptide_1_353_aa ATL8C18647_GENSCAN_predi	ibr(HMM:0.0033)
16359	cted_peptide_1_205_aa ATL8C24321_GENSCAN_predi	ibr(HMM:1.3e-12)

	cted_peptide_1_207_aa	
16360	ATL8C3206_GENSCAN_predict	ibr(HMM:0.056)
	ed_peptide_1_967_aa	
16361	ATL8C36736_GENSCAN_predi	ibr(HMM:8.9e-11)
	cted_peptide_1_197_aa	
16362	ATL8C36738_GENSCAN_predi	ibr(HMM:0.15)
	cted_peptide_1_122_aa	
16363	ATL8C45104_GENSCAN_predi	ibr(HMM:0.0063)
	cted_peptide_1_864_aa	
16364	ATL8C49330_GENSCAN_predi	ibr(HMM:0.21)
	cted_peptide_1_105_aa	
16365	ATL8C7139_GENSCAN_predict	ibr(HMM:9.1e-13)
	ed_peptide_1_536_aa	
16366	ATL8C7202_GENSCAN_predict	ibr(HMM:1.6e-23)
	ed_peptide_1_296_aa	
16367	ATL8C8167_GENSCAN_predict	ibr(HMM:0.014)
	ed_peptide_1_264_aa	
16368	ATL8S16524_GENSCAN_predi	ibr(HMM:0.32)
	cted_peptide_1_116_aa	
16369	ATL8C10755_GENSCAN_predi	ibr(HMM:0.0024),zf-
	cted_peptide_1_258_aa	c3hc4(HMM:0.00056)
16370	ATL8C17660_GENSCAN_predi	ibr(HMM:2.4e-07),zf-
	cted_peptide_1_295_aa	c3hc4(HMM:0.0055)
16371	ATL8C18296_GENSCAN_predi	ibr(HMM:0.0049),zf-
	cted_peptide_1_506_aa	c3hc4(HMM:0.0032)
16372	ATL8C23833_GENSCAN_predi	ibr(HMM:1.8e-11),zf-
	cted_peptide_1_301_aa	c3hc4(HMM:0.016)
16373	ATL8C39564_GENSCAN_predi	ibr(HMM:3.3e-12),zf-
	cted_peptide_1_270_aa	c3hc4(HMM:0.0089)
16374	ATL8C49329_GENSCAN_predi	ibr(HMM:0.66),zf-
	cted_peptide_1_291_aa	c3hc4(HMM:0.0025)
16375	ATL8C49905_GENSCAN_predi	ibr(HMM:0.0037),zf-
	cted_peptide_1_397_aa	c3hc4(HMM:0.034)
16376	ATL8C11636_GENSCAN_predi	k-box(HMM:5.7e-09)
	cted_peptide_1_94_aa	
16377	ATL8C13811_GENSCAN_predi	k-box(HMM:3.2e-11)
	cted_peptide_1_32_aa	
16378	ATL8C17232_GENSCAN_predi	k-box(HMM:0.0081)
	cted_peptide_2_639_aa	
16379	ATL8C19195_GENSCAN_predi	k-box(HMM:0.0081)
	cted_peptide_1_982_aa	
16380	ATL8C25177_GENSCAN_predi	k-box(HMM:4.1e-05)
	cted_peptide_1_97_aa	
16381	ATL8C27745_GENSCAN_predi	k-box(HMM:3.6e-07)
	cted_peptide_1_122_aa	
16382	ATL8C2821_GENSCAN_predict	k-box(HMM:8e-05)
	ed_peptide_1_48_aa	
16383	ATL8C32388_GENSCAN_predi	k-box(HMM:0.0081)
	cted_peptide_2_547_aa	
16384	ATL8C34405_GENSCAN_predi	k-box(HMM:6.3)
	cted_peptide_1_52_aa	
16385	ATL8C34848_GENSCAN_predi	k-box(HMM:0.0081)
	cted_peptide_1_142_aa	
16386	ATL8C35672_GENSCAN_predi	k-box(HMM:2.1e-06)

16387	cted_peptide_1_34_aa ATL8C3613_GENSCAN_predict	k-box(HMM:0.3)
16388	ed_peptide_1_69_aa ATL8C37353_GENSCAN_predi	k-box(HMM:0.045)
16389	cted_peptide_1_83_aa ATL8C40586_GENSCAN_predi	k-box(HMM:0.0048)
16390	cted_peptide_1_95_aa ATL8C42179_GENSCAN_predi	k-box(HMM:0.0013)
16391	cted_peptide_1_125_aa ATL8C4386_GENSCAN_predict	k-box(HMM:7.7e-37)
16392	ed_peptide_1_109_aa ATL8C49938_GENSCAN_predi	k-box(HMM:5.9e-18)
16393	cted_peptide_1_137_aa ATL8C7525_GENSCAN_predict	k-box(HMM:0.88)
16394	ed_peptide_1_104_aa ATL8S10546_GENSCAN_predi	k-box(HMM:0.0002)
16395	cted_peptide_1_37_aa ATL8S14682_GENSCAN_predi	k-box(HMM:9.1)
16396	cted_peptide_1_48_aa ATL8S28525_GENSCAN_predi	k-box(HMM:0.0053)
16397	cted_peptide_1_81_aa ATL8S3217_GENSCAN_predict	k-box(HMM:7.7e-14)
16398	ed_peptide_1_38_aa ATL8C13925_GENSCAN_predi	k-box(HMM:0.0061),srf-
16399	cted_peptide_1_85_aa ATL8C20604_GENSCAN_predi	tf(HMM:1.9e-34) k-box(HMM:1.3e-40),srf-
16400	cted_peptide_1_223_aa ATL8C43226_GENSCAN_predi	tf(HMM:1.7e-05) k-box(HMM:9.4e-10),srf-
16401	cted_peptide_4_138_aa ATL8C16033_GENSCAN_predi	tf(HMM:4.9e-38) lim(HMM:3e-30)
16402	cted_peptide_2_224_aa ATL8C23724_GENSCAN_predi	lim(HMM:4.5e-06)
16403	cted_peptide_1_317_aa ATL8C31212_GENSCAN_predi	lim(HMM:5.7e-05)
16404	cted_peptide_1_368_aa ATL8C35722_GENSCAN_predi	lim(HMM:0.0001)
16405	cted_peptide_1_231_aa ATL8C37545_GENSCAN_predi	lim(HMM:1.7)
16406	cted_peptide_1_45_aa ATL8S16599_GENSCAN_predi	lim(HMM:7.7e-17)
16407	cted_peptide_1_127_aa ATL8S7203_GENSCAN_predict	lim(HMM:0.04)
16408	ed_peptide_1_99_aa ATL8C10433_GENSCAN_predi	linker_histone(HMM:0.0001)
16409	cted_peptide_1_235_aa ATL8C14332_GENSCAN_predi	linker_histone(HMM:0.61)
16410	cted_peptide_1_250_aa ATL8C29697_GENSCAN_predi	linker_histone(HMM:2.8e-21)
16411	cted_peptide_1_317_aa ATL8C4587_GENSCAN_predict	linker_histone(HMM:3.7e-28)
16412	ed_peptide_1_104_aa ATL8C49501_GENSCAN_predi	linker_histone(HMM:8.6e-06)
16413	cted_peptide_3_178_aa ATL8C6950_GENSCAN_predict	linker_histone(HMM:0.00016)

16414	ed_peptide_1_182_aa ATL8S5329_GENSCAN_predict	linker_histone(HMM:1.5)
16415	ed_peptide_1_62_aa ATL8C47484_GENSCAN_predi	linker_histone(HMM:0.00085),m
16416	cted_peptide_1_373_aa ATL8C1007_GENSCAN_predict	yb_dna-binding(HMM:0.00022)
16417	ed_peptide_1_72_aa ATL8C10213_GENSCAN_predi	myb_dna-binding(HMM:0.00037)
16418	cted_peptide_1_252_aa ATL8C10265_GENSCAN_predi	myb_dna-binding(HMM:5.3)
16419	cted_peptide_1_274_aa ATL8C10750_GENSCAN_predi	myb_dna-binding(HMM:0.0019)
16420	cted_peptide_1_333_aa ATL8C10848_GENSCAN_predi	myb_dna-binding(HMM:6.6e-43)
16421	cted_peptide_1_230_aa ATL8C11379_GENSCAN_predi	myb_dna-binding(HMM:2.7)
16422	cted_peptide_1_289_aa ATL8C11448_GENSCAN_predi	myb_dna-binding(HMM:3.9e-45)
16423	cted_peptide_1_271_aa ATL8C1166_GENSCAN_predict	myb_dna-binding(HMM:0.001)
16424	ed_peptide_1_106_aa ATL8C11682_GENSCAN_predi	myb_dna-binding(HMM:2.1e-20)
16425	cted_peptide_1_309_aa ATL8C11722_GENSCAN_predi	myb_dna-binding(HMM:2.7e-44)
16426	cted_peptide_1_323_aa ATL8C12259_GENSCAN_predi	myb_dna-binding(HMM:0.013)
16427	cted_peptide_1_561_aa ATL8C12499_GENSCAN_predi	myb_dna-binding(HMM:3.8e-41)
16428	cted_peptide_1_149_aa ATL8C12546_GENSCAN_predi	myb_dna-binding(HMM:4.6e-05)
16429	cted_peptide_1_172_aa ATL8C12591_GENSCAN_predi	myb_dna-binding(HMM:0.095)
16430	cted_peptide_1_248_aa ATL8C12806_GENSCAN_predi	myb_dna-binding(HMM:1.1e-40)
16431	cted_peptide_1_122_aa ATL8C13084_GENSCAN_predi	myb_dna-binding(HMM:1.3)
16432	cted_peptide_1_317_aa ATL8C13206_GENSCAN_predi	myb_dna-binding(HMM:3.3e-21)
16433	cted_peptide_1_45_aa ATL8C13569_GENSCAN_predi	myb_dna-binding(HMM:0.063)
16434	cted_peptide_1_140_aa ATL8C14092_GENSCAN_predi	myb_dna-binding(HMM:0.04)
16435	cted_peptide_1_163_aa ATL8C14422_GENSCAN_predi	myb_dna-binding(HMM:2.1e-43)
16436	cted_peptide_2_457_aa ATL8C14575_GENSCAN_predi	myb_dna-binding(HMM:5.8e-44)
16437	cted_peptide_1_175_aa ATL8C14828_GENSCAN_predi	myb_dna-binding(HMM:0.71)
16438	cted_peptide_1_167_aa ATL8C15651_GENSCAN_predi	myb_dna-binding(HMM:8.9e-33)
16439	cted_peptide_1_67_aa ATL8C16988_GENSCAN_predi	myb_dna-binding(HMM:8.5)
16440	cted_peptide_1_59_aa ATL8C16996_GENSCAN_predi	myb_dna-binding(HMM:0.014)
		myb_dna-binding(HMM:1.3e-17)

16441	cted_peptide_1_327_aa ATL8C17365_GENSCAN_predi	myb_dna-binding(HMM:1.2e-21)
16442	cted_peptide_1_261_aa ATL8C1886_GENSCAN_predict	myb_dna-binding(HMM:0.059)
16443	ed_peptide_1_94_aa ATL8C19355_GENSCAN_predi	myb_dna-binding(HMM:7.5)
16444	cted_peptide_1_85_aa ATL8C19955_GENSCAN_predi	myb_dna-binding(HMM:2.7e-06)
16445	cted_peptide_1_209_aa ATL8C20131_GENSCAN_predi	myb_dna-binding(HMM:6.5e-08)
16446	cted_peptide_1_187_aa ATL8C20850_GENSCAN_predi	myb_dna-binding(HMM:6.4e-47)
16447	cted_peptide_2_345_aa ATL8C20870_GENSCAN_predi	myb_dna-binding(HMM:3.2e-18)
16448	cted_peptide_1_185_aa ATL8C20873_GENSCAN_predi	myb_dna-binding(HMM:0.0044)
16449	cted_peptide_1_259_aa ATL8C21218_GENSCAN_predi	myb_dna-binding(HMM:9.7e-36)
16450	cted_peptide_1_296_aa ATL8C21373_GENSCAN_predi	myb_dna-binding(HMM:1.1e-05)
16451	cted_peptide_1_77_aa ATL8C2154_GENSCAN_predict	myb_dna-binding(HMM:6.3e-33)
16452	ed_peptide_1_248_aa ATL8C22500_GENSCAN_predi	myb_dna-binding(HMM:8.2e-37)
16453	cted_peptide_1_162_aa ATL8C23303_GENSCAN_predi	myb_dna-binding(HMM:0.014)
16454	cted_peptide_1_150_aa ATL8C23637_GENSCAN_predi	myb_dna-binding(HMM:2.6e-43)
16455	cted_peptide_1_274_aa ATL8C24749_GENSCAN_predi	myb_dna-binding(HMM:1.9e-40)
16456	cted_peptide_1_429_aa ATL8C25076_GENSCAN_predi	myb_dna-binding(HMM:4.2e-15)
16457	cted_peptide_1_236_aa ATL8C25119_GENSCAN_predi	myb_dna-binding(HMM:4e-17)
16458	cted_peptide_1_79_aa ATL8C25162_GENSCAN_predi	myb_dna-binding(HMM:3e-05)
16459	cted_peptide_1_33_aa ATL8C25164_GENSCAN_predi	myb_dna-binding(HMM:1.1e-46)
16460	cted_peptide_1_236_aa ATL8C25167_GENSCAN_predi	myb_dna-binding(HMM:1.8e-41)
16461	cted_peptide_1_425_aa ATL8C25215_GENSCAN_predi	myb_dna-binding(HMM:0.019)
16462	cted_peptide_1_65_aa ATL8C25797_GENSCAN_predi	myb_dna-binding(HMM:6.8e-24)
16463	cted_peptide_1_126_aa ATL8C26052_GENSCAN_predi	myb_dna-binding(HMM:1.9e-05)
16464	cted_peptide_1_94_aa ATL8C26250_GENSCAN_predi	myb_dna-binding(HMM:0.0098)
16465	cted_peptide_1_356_aa ATL8C26447_GENSCAN_predi	myb_dna-binding(HMM:6.5e-08)
16466	cted_peptide_1_303_aa ATL8C27559_GENSCAN_predi	myb_dna-binding(HMM:0.00097)
16467	cted_peptide_1_212_aa ATL8C2778_GENSCAN_predict	myb_dna-binding(HMM:2.9)

16468	ed_peptide_2_186_aa ATL8C2848_GENSCAN_predict	myb_dna-binding(HMM:0.043)
16469	ed_peptide_1_138_aa ATL8C2890_GENSCAN_predict	myb_dna-binding(HMM:3e-36)
16470	ed_peptide_1_283_aa ATL8C29503_GENSCAN_predi	myb_dna-
16471	cted_peptide_2_183_aa ATL8C30443_GENSCAN_predi	binding(HMM:0.00034)
16472	cted_peptide_1_617_aa ATL8C32082_GENSCAN_predi	myb_dna-binding(HMM:5.4e-07)
16473	cted_peptide_1_203_aa ATL8C33345_GENSCAN_predi	myb_dna-binding(HMM:2.2e-43)
16474	cted_peptide_1_295_aa ATL8C33602_GENSCAN_predi	myb_dna-binding(HMM:1.1e-30)
16475	cted_peptide_1_47_aa ATL8C34226_GENSCAN_predi	myb_dna-binding(HMM:0.2)
16476	cted_peptide_1_254_aa ATL8C3458_GENSCAN_predict	myb_dna-binding(HMM:2.3e-37)
16477	ed_peptide_1_50_aa ATL8C36124_GENSCAN_predi	myb_dna-binding(HMM:0.026)
16478	cted_peptide_1_78_aa ATL8C36203_GENSCAN_predi	myb_dna-binding(HMM:0.53)
16479	cted_peptide_1_1145_aa ATL8C36649_GENSCAN_predi	myb_dna-binding(HMM:0.078)
16480	cted_peptide_1_157_aa ATL8C36932_GENSCAN_predi	myb_dna-binding(HMM:4.9e-19)
16481	cted_peptide_1_305_aa ATL8C37133_GENSCAN_predi	myb_dna-binding(HMM:1.1e-42)
16482	cted_peptide_1_186_aa ATL8C37330_GENSCAN_predi	myb_dna-binding(HMM:9.3e-43)
16483	cted_peptide_1_234_aa ATL8C3742_GENSCAN_predict	myb_dna-binding(HMM:0.0003)
16484	ed_peptide_1_653_aa ATL8C37658_GENSCAN_predi	myb_dna-binding(HMM:5.5e-33)
16485	cted_peptide_1_204_aa ATL8C38232_GENSCAN_predi	myb_dna-binding(HMM:0.5)
16486	cted_peptide_1_60_aa ATL8C38992_GENSCAN_predi	myb_dna-binding(HMM:0.009)
16487	cted_peptide_1_101_aa ATL8C39077_GENSCAN_predi	myb_dna-binding(HMM:2.1e-21)
16488	cted_peptide_1_134_aa ATL8C39116_GENSCAN_predi	myb_dna-binding(HMM:5.4e-26)
16489	cted_peptide_1_211_aa ATL8C39762_GENSCAN_predi	myb_dna-binding(HMM:2.1)
16490	cted_peptide_1_254_aa ATL8C41654_GENSCAN_predi	myb_dna-binding(HMM:0.07)
16491	cted_peptide_1_62_aa ATL8C42210_GENSCAN_predi	myb_dna-binding(HMM:1.5e-05)
16492	cted_peptide_1_63_aa ATL8C4340_GENSCAN_predict	myb_dna-
16493	ed_peptide_1_272_aa ATL8C43769_GENSCAN_predi	binding(HMM:0.00019)
16494	cted_peptide_1_76_aa ATL8C44356_GENSCAN_predi	myb_dna-binding(HMM:2.9e-12)
		myb_dna-binding(HMM:2.9)
		myb_dna-binding(HMM:5.6e-08)

16495	cted_peptide_1_266_aa ATL8C45778_GENSCAN_predi	myb_dna-binding(HMM:1.3e-12)
16496	cted_peptide_2_748_aa ATL8C4615_GENSCAN_predict	myb_dna-binding(HMM:0.02)
16497	ed_peptide_1_95_aa ATL8C46235_GENSCAN_predi	myb_dna-binding(HMM:2.3e-11)
16498	cted_peptide_1_174_aa ATL8C46511_GENSCAN_predi	myb_dna-binding(HMM:0.00028)
16499	cted_peptide_1_110_aa ATL8C47751_GENSCAN_predi	myb_dna-binding(HMM:5.2e-05)
16500	cted_peptide_1_118_aa ATL8C47938_GENSCAN_predi	myb_dna-binding(HMM:3.9e-20)
16501	cted_peptide_1_112_aa ATL8C48114_GENSCAN_predi	myb_dna-binding(HMM:2.7e-16)
16502	cted_peptide_1_223_aa ATL8C48407_GENSCAN_predi	myb_dna-binding(HMM:2.3e-37)
16503	cted_peptide_2_238_aa ATL8C49537_GENSCAN_predi	myb_dna-binding(HMM:0.0003)
16504	cted_peptide_1_69_aa ATL8C49781_GENSCAN_predi	myb_dna-binding(HMM:1.7e-12)
16505	cted_peptide_3_414_aa ATL8C50055_GENSCAN_predi	myb_dna-binding(HMM:3e-37)
16506	cted_peptide_1_250_aa ATL8C50215_GENSCAN_predi	myb_dna-binding(HMM:2.2e-15)
16507	cted_peptide_1_97_aa ATL8C5912_GENSCAN_predict	myb_dna-binding(HMM:3.2e-20)
16508	ed_peptide_1_642_aa ATL8C6051_GENSCAN_predict	myb_dna-binding(HMM:3.1)
16509	ed_peptide_1_233_aa ATL8C6114_GENSCAN_predict	myb_dna-binding(HMM:9.8e-30)
16510	ed_peptide_1_246_aa ATL8C6614_GENSCAN_predict	myb_dna-binding(HMM:1.6e-11)
16511	ed_peptide_1_182_aa ATL8C7057_GENSCAN_predict	myb_dna-binding(HMM:3.7e-05)
16512	ed_peptide_1_80_aa ATL8C7735_GENSCAN_predict	myb_dna-binding(HMM:1.5)
16513	ed_peptide_1_187_aa ATL8C8027_GENSCAN_predict	myb_dna-binding(HMM:7.3e-19)
16514	ed_peptide_1_185_aa ATL8C8028_GENSCAN_predict	myb_dna-binding(HMM:2.3e-39)
16515	ed_peptide_1_134_aa ATL8C8719_GENSCAN_predict	myb_dna-binding(HMM:1.4e-19)
16516	ed_peptide_1_215_aa ATL8C9628_GENSCAN_predict	myb_dna-binding(HMM:9.9e-42)
16517	ed_peptide_1_214_aa ATL8C9845_GENSCAN_predict	myb_dna-binding(HMM:3.9e-46)
16518	ed_peptide_1_323_aa ATL8S18021_GENSCAN_predi	myb_dna-binding(HMM:0.28)
16519	cted_peptide_1_50_aa ATL8S20900_GENSCAN_predi	myb_dna-binding(HMM:0.0016)
16520	cted_peptide_1_107_aa ATL8S22259_GENSCAN_predi	myb_dna-binding(HMM:0.33)
16521	cted_peptide_1_127_aa ATL8S22482_GENSCAN_predi	myb_dna-binding(HMM:0.14)

16522	cted_peptide_1_45_aa ATL8S22907_GENSCAN_predi	myb_dna-binding(HMM:0.071)
16523	cted_peptide_1_47_aa ATL8S2385_GENSCAN_predict	myb_dna-binding(HMM:1.7e-23)
16524	ed_peptide_1_88_aa ATL8S30788_GENSCAN_predi	myb_dna-binding(HMM:1.4e-20)
16525	cted_peptide_1_89_aa ATL8S5841_GENSCAN_predict	myb_dna-binding(HMM:1.3e-20)
16526	ed_peptide_1_106_aa ATL8S6499_GENSCAN_predict	myb_dna-binding(HMM:8.6e-05)
16527	ed_peptide_1_43_aa ATL8C15935_GENSCAN_predi	myb_dna-binding(HMM:0.087),snf2_n(HMM:3.6e-130)
16528	cted_peptide_1_1500_aa ATL8C23918_GENSCAN_predi	myb_dna-binding(HMM:0.023),zz(HMM:4.7e-15)
16529	cted_peptide_2_624_aa ATL8C10441_GENSCAN_predi	nam(HMM:2.1e-80)
16530	cted_peptide_2_295_aa ATL8C10790_GENSCAN_predi	nam(HMM:1.3e-09)
16531	cted_peptide_1_96_aa ATL8C11832_GENSCAN_predi	nam(HMM:0.00025)
16532	cted_peptide_1_111_aa ATL8C12042_GENSCAN_predi	nam(HMM:9.8e-52)
16533	cted_peptide_1_210_aa ATL8C12237_GENSCAN_predi	nam(HMM:7.4e-85)
16534	cted_peptide_1_335_aa ATL8C13052_GENSCAN_predi	nam(HMM:1e-80)
16535	cted_peptide_1_564_aa ATL8C1339_GENSCAN_predict	nam(HMM:6.2e-71)
16536	ed_peptide_1_214_aa ATL8C14546_GENSCAN_predi	nam(HMM:8.4e-85)
16537	cted_peptide_1_138_aa ATL8C15263_GENSCAN_predi	nam(HMM:6.9e-08)
16538	cted_peptide_1_57_aa ATL8C17647_GENSCAN_predi	nam(HMM:7.9e-24)
16539	cted_peptide_1_121_aa ATL8C18658_GENSCAN_predi	nam(HMM:1.2e-09)
16540	cted_peptide_1_28_aa ATL8C1913_GENSCAN_predict	nam(HMM:1e-31)
16541	ed_peptide_1_93_aa ATL8C1923_GENSCAN_predict	nam(HMM:3.3e-31)
16542	ed_peptide_1_103_aa ATL8C19901_GENSCAN_predi	nam(HMM:1.9e-29)
16543	cted_peptide_1_296_aa ATL8C1998_GENSCAN_predict	nam(HMM:0.0038)
16544	ed_peptide_1_52_aa ATL8C21290_GENSCAN_predi	nam(HMM:0.0024)
16545	cted_peptide_1_83_aa ATL8C22516_GENSCAN_predi	nam(HMM:9.7e-05)
16546	cted_peptide_1_56_aa ATL8C25111_GENSCAN_predi	nam(HMM:9.6e-88)
16547	cted_peptide_1_247_aa ATL8C25120_GENSCAN_predi	nam(HMM:0.00014)

16548	cted_peptide_1_53_aa ATL8C26187_GENSCAN_predi	nam(HMM:8.8e-41)
16549	cted_peptide_1_111_aa ATL8C26272_GENSCAN_predi	nam(HMM:3.8e-06)
16550	cted_peptide_1_287_aa ATL8C26489_GENSCAN_predi	nam(HMM:2.9e-83)
16551	cted_peptide_1_316_aa ATL8C26491_GENSCAN_predi	nam(HMM:1.2e-82)
16552	cted_peptide_1_340_aa ATL8C26500_GENSCAN_predi	nam(HMM:2.6e-26)
16553	cted_peptide_1_237_aa ATL8C2716_GENSCAN_predict	nam(HMM:2.1e-09)
16554	ed_peptide_1_132_aa ATL8C29211_GENSCAN_predi	nam(HMM:5.5e-06)
16555	cted_peptide_1_27_aa ATL8C2932_GENSCAN_predict	nam(HMM:5.5e-09)
16556	ed_peptide_1_200_aa ATL8C30268_GENSCAN_predi	nam(HMM:1)
16557	cted_peptide_1_70_aa ATL8C3041_GENSCAN_predict	nam(HMM:1.9e-30)
16558	ed_peptide_1_95_aa ATL8C309_GENSCAN_predicte	nam(HMM:0.00022)
16559	d_peptide_1_44_aa ATL8C33132_GENSCAN_predi	nam(HMM:1.2e-25)
16560	cted_peptide_1_155_aa ATL8C34178_GENSCAN_predi	nam(HMM:9.1e-06)
16561	cted_peptide_1_85_aa ATL8C34510_GENSCAN_predi	nam(HMM:0.0097)
16562	cted_peptide_1_54_aa ATL8C35471_GENSCAN_predi	nam(HMM:5e-24)
16563	cted_peptide_1_219_aa ATL8C37439_GENSCAN_predi	nam(HMM:2.6e-09)
16564	cted_peptide_1_324_aa ATL8C37505_GENSCAN_predi	nam(HMM:1.9e-66)
16565	cted_peptide_1_371_aa ATL8C3809_GENSCAN_predict	nam(HMM:3.9e-22)
16566	ed_peptide_1_121_aa ATL8C3811_GENSCAN_predict	nam(HMM:1.3e-18)
16567	ed_peptide_1_222_aa ATL8C3812_GENSCAN_predict	nam(HMM:6.2e-60)
16568	ed_peptide_1_118_aa ATL8C38155_GENSCAN_predi	nam(HMM:8.1e-87)
16569	cted_peptide_1_174_aa ATL8C38600_GENSCAN_predi	nam(HMM:4e-09)
16570	cted_peptide_1_78_aa ATL8C38726_GENSCAN_predi	nam(HMM:3.2e-05)
16571	cted_peptide_1_66_aa ATL8C38906_GENSCAN_predi	nam(HMM:5.7e-36)
16572	cted_peptide_1_284_aa ATL8C40040_GENSCAN_predi	nam(HMM:6.5e-06)
16573	cted_peptide_1_208_aa ATL8C411_GENSCAN_predicte	nam(HMM:1.1e-27)
16574	d_peptide_1_374_aa ATL8C41405_GENSCAN_predi	nam(HMM:6.9e-24)

16575	cted_peptide_1_115_aa ATL8C41453_GENSCAN_predi	nam(HMM:8e-19)
16576	cted_peptide_1_370_aa ATL8C41635_GENSCAN_predi	nam(HMM:1e-05)
16577	cted_peptide_1_109_aa ATL8C42816_GENSCAN_predi	nam(HMM:4.3e-13)
16578	cted_peptide_1_99_aa ATL8C45056_GENSCAN_predi	nam(HMM:1.2e-17)
16579	cted_peptide_1_211_aa ATL8C45057_GENSCAN_predi	nam(HMM:6.7e-54)
16580	cted_peptide_1_188_aa ATL8C45236_GENSCAN_predi	nam(HMM:2e-05)
16581	cted_peptide_1_98_aa ATL8C45493_GENSCAN_predi	nam(HMM:1.5e-59)
16582	cted_peptide_1_213_aa ATL8C45636_GENSCAN_predi	nam(HMM:1e-08)
16583	cted_peptide_1_38_aa ATL8C46619_GENSCAN_predi	nam(HMM:1.2e-67)
16584	cted_peptide_1_434_aa ATL8C47566_GENSCAN_predi	nam(HMM:8.8e-24)
16585	cted_peptide_1_98_aa ATL8C47957_GENSCAN_predi	nam(HMM:1.5e-45)
16586	cted_peptide_1_97_aa ATL8C48086_GENSCAN_predi	nam(HMM:1.8e-06)
16587	cted_peptide_4_320_aa ATL8C48105_GENSCAN_predi	nam(HMM:2.7e-11)
16588	cted_peptide_1_256_aa ATL8C48107_GENSCAN_predi	nam(HMM:4.4e-82)
16589	cted_peptide_1_161_aa ATL8C48131_GENSCAN_predi	nam(HMM:4.6e-08)
16590	cted_peptide_1_207_aa ATL8C48442_GENSCAN_predi	nam(HMM:4.1e-69)
16591	cted_peptide_1_142_aa ATL8C48511_GENSCAN_predi	nam(HMM:4.3e-06)
16592	cted_peptide_1_135_aa ATL8C48832_GENSCAN_predi	nam(HMM:0.0094)
16593	cted_peptide_1_203_aa ATL8C49038_GENSCAN_predi	nam(HMM:5.1e-83)
16594	cted_peptide_1_144_aa ATL8C49039_GENSCAN_predi	nam(HMM:4.9e-85)
16595	cted_peptide_1_148_aa ATL8C50073_GENSCAN_predi	nam(HMM:7.7e-11)
16596	cted_peptide_2_313_aa ATL8C5010_GENSCAN_predict	nam(HMM:5.5e-29)
16597	ed_peptide_1_330_aa ATL8C50187_GENSCAN_predi	nam(HMM:7.5e-63)
16598	cted_peptide_1_232_aa ATL8C537_GENSCAN_predicte	nam(HMM:1.1e-41)
16599	d_peptide_1_103_aa ATL8C5572_GENSCAN_predict	nam(HMM:0.0029)
16600	ed_peptide_1_115_aa ATL8C6211_GENSCAN_predict	nam(HMM:0.13)
16601	ed_peptide_1_155_aa ATL8C68_GENSCAN_predicted	nam(HMM:4.8e-82)

16602	_peptide_1_317_aa ATL8C7473_GENSCAN_predict	nam(HMM:4.1e-81)
16603	ed_peptide_1_136_aa ATL8C8547_GENSCAN_predict	nam(HMM:6.1)
16604	ed_peptide_1_75_aa ATL8C94_GENSCAN_predicted	nam(HMM:8.3e-27)
16605	_peptide_1_240_aa ATL8C961_GENSCAN_predicte	nam(HMM:9.8e-26)
16606	d_peptide_1_94_aa ATL8S13266_GENSCAN_predi	nam(HMM:0.0022)
16607	cted_peptide_1_57_aa ATL8S15272_GENSCAN_predi	nam(HMM:0.0037)
16608	cted_peptide_1_63_aa ATL8S19173_GENSCAN_predi	nam(HMM:1.7e-05)
16609	cted_peptide_1_111_aa ATL8S19793_GENSCAN_predi	nam(HMM:6.6e-11)
16610	cted_peptide_1_38_aa ATL8S20897_GENSCAN_predi	nam(HMM:3e-11)
16611	cted_peptide_1_126_aa ATL8S23042_GENSCAN_predi	nam(HMM:0.00011)
16612	cted_peptide_1_52_aa ATL8S2326_GENSCAN_predict	nam(HMM:1.7e-50)
16613	ed_peptide_1_110_aa ATL8S27480_GENSCAN_predi	nam(HMM:2.7)
16614	cted_peptide_1_43_aa ATL8S7354_GENSCAN_predict	nam(HMM:1.7e-14)
16615	ed_peptide_1_89_aa ATL8S8926_GENSCAN_predict	nam(HMM:0.00031)
16616	ed_peptide_1_55_aa ATL8C11860_GENSCAN_predi	nap_family(HMM:0.0001)
16617	cted_peptide_1_122_aa ATL8C21912_GENSCAN_predi	nap_family(HMM:2.5e-92)
16618	cted_peptide_1_292_aa ATL8C48274_GENSCAN_predi	nap_family(HMM:2.8e-08)
16619	cted_peptide_1_125_aa ATL8C4931_GENSCAN_predict	nap_family(HMM:6.6e-11)
16620	ed_peptide_1_82_aa ATL8C5349_GENSCAN_predict	nap_family(HMM:5.6e-06)
16621	ed_peptide_1_143_aa ATL8C5399_GENSCAN_predict	nap_family(HMM:5.9e-11)
16622	ed_peptide_1_84_aa ATL8S20156_GENSCAN_predi	nap_family(HMM:2.8e-10)
16623	cted_peptide_1_80_aa ATL8C10859_GENSCAN_predi	phd(HMM:0.032)
16624	cted_peptide_1_307_aa ATL8C10925_GENSCAN_predi	phd(HMM:7.5e-17)
16625	cted_peptide_2_343_aa ATL8C10977_GENSCAN_predi	phd(HMM:0.47)
16626	cted_peptide_1_449_aa ATL8C13492_GENSCAN_predi	phd(HMM:1.3e-13)
16627	cted_peptide_3_153_aa ATL8C14743_GENSCAN_predi	phd(HMM:0.17)
16628	cted_peptide_1_662_aa ATL8C14746_GENSCAN_predi	phd(HMM:4e-11)

16629	cted_peptide_1_230_aa ATL8C14814_GENSCAN_predi	phd(HMM:1.2e-14)
16630	cted_peptide_1_279_aa ATL8C14848_GENSCAN_predi	phd(HMM:2.1e-13)
16631	cted_peptide_1_188_aa ATL8C15819_GENSCAN_predi	phd(HMM:1.9e-05)
16632	cted_peptide_1_224_aa ATL8C16343_GENSCAN_predi	phd(HMM:0.055)
16633	cted_peptide_1_363_aa ATL8C16753_GENSCAN_predi	phd(HMM:2.8)
16634	cted_peptide_1_331_aa ATL8C17549_GENSCAN_predi	phd(HMM:2.5)
16635	cted_peptide_1_111_aa ATL8C18832_GENSCAN_predi	phd(HMM:2e-11)
16636	cted_peptide_1_705_aa ATL8C1943_GENSCAN_predict	phd(HMM:3.1e-06)
16637	ed_peptide_1_427_aa ATL8C19746_GENSCAN_predi	phd(HMM:0.038)
16638	cted_peptide_1_154_aa ATL8C20569_GENSCAN_predi	phd(HMM:2.5e-06)
16639	cted_peptide_1_387_aa ATL8C20581_GENSCAN_predi	phd(HMM:0.054)
16640	cted_peptide_1_300_aa ATL8C21787_GENSCAN_predi	phd(HMM:0.035)
16641	cted_peptide_1_958_aa ATL8C21792_GENSCAN_predi	phd(HMM:8e-05)
16642	cted_peptide_1_432_aa ATL8C21889_GENSCAN_predi	phd(HMM:3e-06)
16643	cted_peptide_2_358_aa ATL8C22983_GENSCAN_predi	phd(HMM:0.082)
16644	cted_peptide_1_583_aa ATL8C24320_GENSCAN_predi	phd(HMM:5.3e-09)
16645	cted_peptide_1_1489_aa ATL8C2445_GENSCAN_predict	phd(HMM:6.9e-15)
16646	ed_peptide_1_332_aa ATL8C24566_GENSCAN_predi	phd(HMM:0.51)
16647	cted_peptide_1_85_aa ATL8C26759_GENSCAN_predi	phd(HMM:1.7)
16648	cted_peptide_1_213_aa ATL8C27041_GENSCAN_predi	phd(HMM:9.6e-06)
16649	cted_peptide_1_228_aa ATL8C27388_GENSCAN_predi	phd(HMM:0.0098)
16650	cted_peptide_1_533_aa ATL8C2817_GENSCAN_predict	phd(HMM:0.00044)
16651	ed_peptide_1_181_aa ATL8C29660_GENSCAN_predi	phd(HMM:0.053)
16652	cted_peptide_1_362_aa ATL8C2971_GENSCAN_predict	phd(HMM:0.11)
16653	ed_peptide_1_345_aa ATL8C30985_GENSCAN_predi	phd(HMM:1.7e-06)
16654	cted_peptide_1_400_aa ATL8C34392_GENSCAN_predi	phd(HMM:1.8e-12)
16655	cted_peptide_1_117_aa ATL8C34574_GENSCAN_predi	phd(HMM:2.6e-09)

16656	cted_peptide_1_105_aa ATL8C35355_GENSCAN_predi	phd(HMM:0.0038)
16657	cted_peptide_2_212_aa ATL8C36072_GENSCAN_predi	phd(HMM:1.6e-16)
16658	cted_peptide_1_289_aa ATL8C3626_GENSCAN_predict	phd(HMM:1.1e-07)
16659	ed_peptide_1_141_aa ATL8C38121_GENSCAN_predi	phd(HMM:0.017)
16660	cted_peptide_1_191_aa ATL8C38122_GENSCAN_predi	phd(HMM:0.026)
16661	cted_peptide_1_249_aa ATL8C38174_GENSCAN_predi	phd(HMM:0.014)
16662	cted_peptide_2_354_aa ATL8C38851_GENSCAN_predi	phd(HMM:0.034)
16663	cted_peptide_1_281_aa ATL8C39583_GENSCAN_predi	phd(HMM:5.3e-05)
16664	cted_peptide_3_95_aa ATL8C43995_GENSCAN_predi	phd(HMM:0.053)
16665	cted_peptide_1_259_aa ATL8C46067_GENSCAN_predi	phd(HMM:0.087)
16666	cted_peptide_1_276_aa ATL8C46257_GENSCAN_predi	phd(HMM:2.5)
16667	cted_peptide_1_324_aa ATL8C46351_GENSCAN_predi	phd(HMM:3.8e-09)
16668	cted_peptide_1_386_aa ATL8C46648_GENSCAN_predi	phd(HMM:0.0079)
16669	cted_peptide_1_534_aa ATL8C48313_GENSCAN_predi	phd(HMM:0.044)
16670	cted_peptide_2_807_aa ATL8C50166_GENSCAN_predi	phd(HMM:1.8e-15)
16671	cted_peptide_1_424_aa ATL8C5953_GENSCAN_predict	phd(HMM:0.043)
16672	ed_peptide_1_487_aa ATL8C7567_GENSCAN_predict	phd(HMM:3.5e-05)
16673	ed_peptide_1_1227_aa ATL8C7991_GENSCAN_predict	phd(HMM:1.2e-12)
16674	ed_peptide_1_171_aa ATL8C8742_GENSCAN_predict	phd(HMM:0.073)
16675	ed_peptide_1_363_aa ATL8C9130_GENSCAN_predict	phd(HMM:0.0028)
16676	ed_peptide_1_342_aa ATL8C9148_GENSCAN_predict	phd(HMM:3.2e-14)
16677	ed_peptide_1_137_aa ATL8C9330_GENSCAN_predict	phd(HMM:0.0083)
16678	ed_peptide_1_282_aa ATL8C9983_GENSCAN_predict	phd(HMM:0.93)
16679	ed_peptide_1_682_aa ATL8S27812_GENSCAN_predi	phd(HMM:1.6e-11)
16680	cted_peptide_1_130_aa ATL8C22990_GENSCAN_predi	phd(HMM:0.0052),zf- c3hc4(HMM:2.3e-12)
16681	cted_peptide_1_581_aa ATL8C30770_GENSCAN_predi	phd(HMM:0.058),zf- c3hc4(HMM:1.4e-10)
16682	cted_peptide_1_289_aa ATL8C41980_GENSCAN_predi	phd(HMM:0.0056),zf-

16683	cted_peptide_2_401_aa ATL8C49765_GENSCAN_predi	c3hc4(HMM:1.7e-09) phd(HMM:0.0033),zf-
16684	cted_peptide_1_485_aa ATL8C31616_GENSCAN_predi	c3hc4(HMM:6.1e-10) phd(HMM:0.038),zz(HMM:6.3e-
16685	cted_peptide_1_834_aa ATL8C12297_GENSCAN_predi	11) response_reg(HMM:2.8e-05)
16686	cted_peptide_1_121_aa ATL8C12931_GENSCAN_predi	response_reg(HMM:3.2e-29)
16687	cted_peptide_1_251_aa ATL8C14938_GENSCAN_predi	response_reg(HMM:6.6e-30)
16688	cted_peptide_1_216_aa ATL8C16841_GENSCAN_predi	response_reg(HMM:0.00092)
16689	cted_peptide_1_91_aa ATL8C21718_GENSCAN_predi	response_reg(HMM:5.3e-33)
16690	cted_peptide_1_343_aa ATL8C28348_GENSCAN_predi	response_reg(HMM:2e-14)
16691	cted_peptide_1_122_aa ATL8C28614_GENSCAN_predi	response_reg(HMM:9.3e-16)
16692	cted_peptide_1_122_aa ATL8C2869_GENSCAN_predict	response_reg(HMM:9.6e-10)
16693	ed_peptide_1_826_aa ATL8C28832_GENSCAN_predi	response_reg(HMM:0.013)
16694	cted_peptide_1_166_aa ATL8C31376_GENSCAN_predi	response_reg(HMM:2.7e-05)
16695	cted_peptide_1_114_aa ATL8C33102_GENSCAN_predi	response_reg(HMM:7.8e-05)
16696	cted_peptide_1_51_aa ATL8C36529_GENSCAN_predi	response_reg(HMM:4e-05)
16697	cted_peptide_1_167_aa ATL8C37281_GENSCAN_predi	response_reg(HMM:5.5e-22)
16698	cted_peptide_1_146_aa ATL8C38014_GENSCAN_predi	response_reg(HMM:5.8)
16699	cted_peptide_1_165_aa ATL8C38180_GENSCAN_predi	response_reg(HMM:0.0067)
16700	cted_peptide_1_99_aa ATL8C4163_GENSCAN_predict	response_reg(HMM:3.2e-15)
16701	ed_peptide_1_786_aa ATL8C43973_GENSCAN_predi	response_reg(HMM:4.9e-09)
16702	cted_peptide_1_208_aa ATL8C49757_GENSCAN_predi	response_reg(HMM:2e-06)
16703	cted_peptide_1_79_aa ATL8C50073_GENSCAN_predi	response_reg(HMM:6e-28)
16704	cted_peptide_1_206_aa ATL8C9299_GENSCAN_predict	response_reg(HMM:0.18)
16705	ed_peptide_1_652_aa ATL8C953_GENSCAN_predicte	response_reg(HMM:6.4e-06)
16706	d_peptide_1_130_aa ATL8S10023_GENSCAN_predi	response_reg(HMM:5.1e-10)
16707	cted_peptide_1_76_aa ATL8S11061_GENSCAN_predi	response_reg(HMM:0.61)
16708	cted_peptide_1_83_aa ATL8S11942_GENSCAN_predi	response_reg(HMM:2.9e-14)
16709	cted_peptide_1_141_aa ATL8S12232_GENSCAN_predi	response_reg(HMM:2.9e-06)

16710	cted_peptide_2_39_aa ATL8S13178_GENSCAN_predi	response_reg(HMM:0.0012)
16711	cted_peptide_1_69_aa ATL8S13728_GENSCAN_predi	response_reg(HMM:4.9e-10)
16712	cted_peptide_1_151_aa ATL8S14669_GENSCAN_predi	response_reg(HMM:7.8)
16713	cted_peptide_1_62_aa ATL8S15098_GENSCAN_predi	response_reg(HMM:0.00069)
16714	cted_peptide_1_135_aa ATL8S15679_GENSCAN_predi	response_reg(HMM:0.0065)
16715	cted_peptide_1_89_aa ATL8S16533_GENSCAN_predi	response_reg(HMM:0.17)
16716	cted_peptide_1_111_aa ATL8S17723_GENSCAN_predi	response_reg(HMM:9.6e-09)
16717	cted_peptide_1_151_aa ATL8S18376_GENSCAN_predi	response_reg(HMM:2.4e-17)
16718	cted_peptide_1_129_aa ATL8S19118_GENSCAN_predi	response_reg(HMM:1.3e-05)
16719	cted_peptide_1_43_aa ATL8S19602_GENSCAN_predi	response_reg(HMM:1.1e-06)
16720	cted_peptide_1_138_aa ATL8S19795_GENSCAN_predi	response_reg(HMM:4.6e-05)
16721	cted_peptide_1_123_aa ATL8S21409_GENSCAN_predi	response_reg(HMM:0.0014)
16722	cted_peptide_1_81_aa ATL8S22623_GENSCAN_predi	response_reg(HMM:0.61)
16723	cted_peptide_1_150_aa ATL8S24227_GENSCAN_predi	response_reg(HMM:3.6e-20)
16724	cted_peptide_1_131_aa ATL8S2615_GENSCAN_predict	response_reg(HMM:5e-12)
16725	ed_peptide_1_127_aa ATL8S26604_GENSCAN_predi	response_reg(HMM:0.00025)
16726	cted_peptide_1_73_aa ATL8S28112_GENSCAN_predi	response_reg(HMM:0.0031)
16727	cted_peptide_1_136_aa ATL8S28344_GENSCAN_predi	response_reg(HMM:8.4e-19)
16728	cted_peptide_1_175_aa ATL8S28362_GENSCAN_predi	response_reg(HMM:0.0015)
16729	cted_peptide_1_93_aa ATL8S29177_GENSCAN_predi	response_reg(HMM:0.22)
16730	cted_peptide_1_110_aa ATL8S30314_GENSCAN_predi	response_reg(HMM:4.3e-10)
16731	cted_peptide_1_87_aa ATL8S30371_GENSCAN_predi	response_reg(HMM:0.047)
16732	cted_peptide_1_161_aa ATL8S3240_GENSCAN_predict	response_reg(HMM:2)
16733	ed_peptide_1_54_aa ATL8S3823_GENSCAN_predict	response_reg(HMM:2e-24)
16734	ed_peptide_1_119_aa ATL8S6445_GENSCAN_predict	response_reg(HMM:0.0054)
16735	ed_peptide_1_152_aa ATL8S6606_GENSCAN_predict	response_reg(HMM:1.2e-42)
16736	ed_peptide_1_151_aa ATL8S7299_GENSCAN_predict	response_reg(HMM:0.00088)

16737	ed_peptide_1_164_aa ATL8C10416_GENSCAN_predi	sbpb(HMM:7.7e-48)
16738	cted_peptide_1_332_aa ATL8C13139_GENSCAN_predi	sbpb(HMM:1.3e-43)
16739	cted_peptide_1_129_aa ATL8C21946_GENSCAN_predi	sbpb(HMM:5.2e-12)
16740	cted_peptide_1_98_aa ATL8C24543_GENSCAN_predi	sbpb(HMM:2e-43)
16741	cted_peptide_1_135_aa ATL8C25276_GENSCAN_predi	sbpb(HMM:7.2e-26)
16742	cted_peptide_1_230_aa ATL8C31714_GENSCAN_predi	sbpb(HMM:5.9e-42)
16743	cted_peptide_1_1004_aa ATL8C32035_GENSCAN_predi	sbpb(HMM:5.6e-08)
16744	cted_peptide_1_160_aa ATL8C32593_GENSCAN_predi	sbpb(HMM:2.7e-41)
16745	cted_peptide_1_218_aa ATL8C36125_GENSCAN_predi	sbpb(HMM:5.6e-44)
16746	cted_peptide_1_174_aa ATL8C36984_GENSCAN_predi	sbpb(HMM:3.6e-40)
16747	cted_peptide_1_192_aa ATL8C433_GENSCAN_predicte	sbpb(HMM:8.5e-41)
16748	d_peptide_1_355_aa ATL8C44593_GENSCAN_predi	sbpb(HMM:1.2e-46)
16749	cted_peptide_1_678_aa ATL8S27934_GENSCAN_predi	sbpb(HMM:3.1e-43)
16750	cted_peptide_1_106_aa ATL8C10233_GENSCAN_predi	scr(HMM:1.1e-155)
16751	cted_peptide_1_547_aa ATL8C10689_GENSCAN_predi	scr(HMM:1.1e-206)
16752	cted_peptide_1_761_aa ATL8C15492_GENSCAN_predi	scr(HMM:1.4e-72)
16753	cted_peptide_1_372_aa ATL8C16022_GENSCAN_predi	scr(HMM:7.3e-12)
16754	cted_peptide_1_200_aa ATL8C17018_GENSCAN_predi	scr(HMM:3e-79)
16755	cted_peptide_2_311_aa ATL8C19802_GENSCAN_predi	scr(HMM:1.6e-10)
16756	cted_peptide_1_414_aa ATL8C21156_GENSCAN_predi	scr(HMM:2.9e-190)
16757	cted_peptide_1_437_aa ATL8C22457_GENSCAN_predi	scr(HMM:3e-05)
16758	cted_peptide_2_107_aa ATL8C22796_GENSCAN_predi	scr(HMM:2.1e-11)
16759	cted_peptide_1_112_aa ATL8C23752_GENSCAN_predi	scr(HMM:9.5e-190)
16760	cted_peptide_1_515_aa ATL8C23820_GENSCAN_predi	scr(HMM:7.1e-11)
16761	cted_peptide_1_258_aa ATL8C2464_GENSCAN_predict	scr(HMM:1.3e-144)
16762	ed_peptide_1_491_aa ATL8C24710_GENSCAN_predi	scr(HMM:5.4e-46)
16763	cted_peptide_1_272_aa ATL8C266_GENSCAN_predicte	scr(HMM:3.8e-12)

16764	d_peptide_1_283_aa ATL8C28489_GENSCAN_predi	scr(HMM:0.25)
16765	cted_peptide_1_130_aa ATL8C30855_GENSCAN_predi	scr(HMM:6.3e-50)
16766	cted_peptide_1_531_aa ATL8C31122_GENSCAN_predi	scr(HMM:0.079)
16767	cted_peptide_1_249_aa ATL8C31150_GENSCAN_predi	scr(HMM:3.5e-182)
16768	cted_peptide_1_471_aa ATL8C31987_GENSCAN_predi	scr(HMM:8.2e-88)
16769	cted_peptide_2_407_aa ATL8C32167_GENSCAN_predi	scr(HMM:5.4e-28)
16770	cted_peptide_1_174_aa ATL8C32692_GENSCAN_predi	scr(HMM:5.8e-185)
16771	cted_peptide_1_532_aa ATL8C33084_GENSCAN_predi	scr(HMM:1.5e-188)
16772	cted_peptide_1_559_aa ATL8C35509_GENSCAN_predi	scr(HMM:4.4e-21)
16773	cted_peptide_1_118_aa ATL8C35699_GENSCAN_predi	scr(HMM:2e-116)
16774	cted_peptide_2_542_aa ATL8C35772_GENSCAN_predi	scr(HMM:4.6e-34)
16775	cted_peptide_1_463_aa ATL8C36571_GENSCAN_predi	scr(HMM:4.2e-136)
16776	cted_peptide_1_610_aa ATL8C37150_GENSCAN_predi	scr(HMM:1e-17)
16777	cted_peptide_1_214_aa ATL8C37236_GENSCAN_predi	scr(HMM:9.4e-120)
16778	cted_peptide_2_405_aa ATL8C40435_GENSCAN_predi	scr(HMM:0.095)
16779	cted_peptide_1_144_aa ATL8C42790_GENSCAN_predi	scr(HMM:6.2e-24)
16780	cted_peptide_1_639_aa ATL8C43894_GENSCAN_predi	scr(HMM:0.00037)
16781	cted_peptide_1_348_aa ATL8C47969_GENSCAN_predi	scr(HMM:8.6e-98)
16782	cted_peptide_1_516_aa ATL8C9235_GENSCAN_predict	scr(HMM:2.1e-10)
16783	ed_peptide_1_305_aa ATL8C9797_GENSCAN_predict	scr(HMM:1.1e-27)
16784	ed_peptide_1_410_aa ATL8S22458_GENSCAN_predi	scr(HMM:5.4e-17)
16785	cted_peptide_1_113_aa ATL8S30461_GENSCAN_predi	scr(HMM:1.7e-32)
16786	cted_peptide_1_144_aa ATL8S6425_GENSCAN_predict	scr(HMM:2.1e-12)
16787	ed_peptide_1_145_aa ATL8S7445_GENSCAN_predict	scr(HMM:2.7e-16)
16788	ed_peptide_1_69_aa ATL8C12755_GENSCAN_predi	set(HMM:5.2e-51)
16789	cted_peptide_1_666_aa ATL8C14965_GENSCAN_predi	set(HMM:1.6e-26)
16790	cted_peptide_1_139_aa ATL8C15132_GENSCAN_predi	set(HMM:3.3e-31)

	cted_peptide_1_344_aa	
16791	ATL8C19049_GENSCAN_predi	set(HMM:8.9e-37)
	cted_peptide_1_193_aa	
16792	ATL8C21583_GENSCAN_predi	set(HMM:0.00037)
	cted_peptide_1_91_aa	
16793	ATL8C23293_GENSCAN_predi	set(HMM:6.5e-28)
	cted_peptide_1_329_aa	
16794	ATL8C23853_GENSCAN_predi	set(HMM:0.0031)
	cted_peptide_1_616_aa	
16795	ATL8C25105_GENSCAN_predi	set(HMM:1.6)
	cted_peptide_1_545_aa	
16796	ATL8C25653_GENSCAN_predi	set(HMM:5e-40)
	cted_peptide_1_399_aa	
16797	ATL8C28433_GENSCAN_predi	set(HMM:1.2e-21)
	cted_peptide_1_194_aa	
16798	ATL8C2850_GENSCAN_predict	set(HMM:0.02)
	ed_peptide_1_124_aa	
16799	ATL8C36566_GENSCAN_predi	set(HMM:2e-23)
	cted_peptide_1_351_aa	
16800	ATL8C3737_GENSCAN_predict	set(HMM:1.1e-05)
	ed_peptide_1_295_aa	
16801	ATL8C3927_GENSCAN_predict	set(HMM:2.8e-11)
	ed_peptide_1_72_aa	
16802	ATL8C42558_GENSCAN_predi	set(HMM:2.7e-06)
	cted_peptide_2_66_aa	
16803	ATL8C44560_GENSCAN_predi	set(HMM:4.3e-18)
	cted_peptide_1_342_aa	
16804	ATL8C46085_GENSCAN_predi	set(HMM:0.42)
	cted_peptide_1_294_aa	
16805	ATL8C46109_GENSCAN_predi	set(HMM:1.2e-20)
	cted_peptide_1_280_aa	
16806	ATL8C47459_GENSCAN_predi	set(HMM:3.4e-60)
	cted_peptide_1_481_aa	
16807	ATL8C48917_GENSCAN_predi	set(HMM:1.7e-35)
	cted_peptide_1_261_aa	
16808	ATL8C535_GENSCAN_predicte	set(HMM:2.2e-07)
	d_peptide_1_105_aa	
16809	ATL8C7924_GENSCAN_predict	set(HMM:1.2e-40)
	ed_peptide_1_361_aa	
16810	ATL8C9198_GENSCAN_predict	set(HMM:9.1e-09)
	ed_peptide_1_269_aa	
16811	ATL8S20551_GENSCAN_predi	set(HMM:2.2e-09)
	cted_peptide_1_179_aa	
16812	ATL8S30646_GENSCAN_predi	set(HMM:3.7e-35)
	cted_peptide_1_136_aa	
16813	ATL8C10856_GENSCAN_predi	snf2_n(HMM:0.0054)
	cted_peptide_1_219_aa	
16814	ATL8C12277_GENSCAN_predi	snf2_n(HMM:0.00017)
	cted_peptide_1_194_aa	
16815	ATL8C12867_GENSCAN_predi	snf2_n(HMM:3.4e-14)
	cted_peptide_1_70_aa	
16816	ATL8C1288_GENSCAN_predict	snf2_n(HMM:9.9e-07)
	ed_peptide_2_574_aa	
16817	ATL8C13620_GENSCAN_predi	snf2_n(HMM:0.0015)

16818	cted_peptide_1_1352_aa ATL8C14228_GENSCAN_predi	snf2_n(HMM:7.1e-20)
16819	cted_peptide_1_1169_aa ATL8C17938_GENSCAN_predi	snf2_n(HMM:2.3e-10)
16820	cted_peptide_1_449_aa ATL8C20361_GENSCAN_predi	snf2_n(HMM:0.043)
16821	cted_peptide_1_338_aa ATL8C221_GENSCAN_predicte	snf2_n(HMM:1e-20)
16822	d_peptide_1_156_aa ATL8C22995_GENSCAN_predi	snf2_n(HMM:1.5e-12)
16823	cted_peptide_1_267_aa ATL8C23972_GENSCAN_predi	snf2_n(HMM:1.5e-17)
16824	cted_peptide_1_750_aa ATL8C2422_GENSCAN_predict	snf2_n(HMM:2.1e-80)
16825	ed_peptide_1_794_aa ATL8C24734_GENSCAN_predi	snf2_n(HMM:4.8e-09)
16826	cted_peptide_2_638_aa ATL8C2518_GENSCAN_predict	snf2_n(HMM:7.7e-14)
16827	ed_peptide_1_885_aa ATL8C26872_GENSCAN_predi	snf2_n(HMM:2.2e-15)
16828	cted_peptide_1_236_aa ATL8C27611_GENSCAN_predi	snf2_n(HMM:8e-14)
16829	cted_peptide_1_174_aa ATL8C28572_GENSCAN_predi	snf2_n(HMM:1.3e-10)
16830	cted_peptide_1_45_aa ATL8C31135_GENSCAN_predi	snf2_n(HMM:1.7e-82)
16831	cted_peptide_2_1000_aa ATL8C31482_GENSCAN_predi	snf2_n(HMM:9.2e-09)
16832	cted_peptide_1_70_aa ATL8C32395_GENSCAN_predi	snf2_n(HMM:1.4e-121)
16833	cted_peptide_1_701_aa ATL8C32894_GENSCAN_predi	snf2_n(HMM:2.3e-31)
16834	cted_peptide_1_273_aa ATL8C33273_GENSCAN_predi	snf2_n(HMM:1.1)
16835	cted_peptide_1_256_aa ATL8C34588_GENSCAN_predi	snf2_n(HMM:6.5e-97)
16836	cted_peptide_1_1135_aa ATL8C35458_GENSCAN_predi	snf2_n(HMM:0.0085)
16837	cted_peptide_1_135_aa ATL8C36087_GENSCAN_predi	snf2_n(HMM:8.6e-28)
16838	cted_peptide_1_473_aa ATL8C36155_GENSCAN_predi	snf2_n(HMM:1.5e-08)
16839	cted_peptide_2_494_aa ATL8C37818_GENSCAN_predi	snf2_n(HMM:4.2e-06)
16840	cted_peptide_1_525_aa ATL8C41287_GENSCAN_predi	snf2_n(HMM:2.3e-15)
16841	cted_peptide_1_201_aa ATL8C42308_GENSCAN_predi	snf2_n(HMM:2.6e-18)
16842	cted_peptide_1_124_aa ATL8C42310_GENSCAN_predi	snf2_n(HMM:2.4e-08)
16843	cted_peptide_1_93_aa ATL8C43948_GENSCAN_predi	snf2_n(HMM:3.7e-18)
16844	cted_peptide_1_259_aa ATL8C4449_GENSCAN_predict	snf2_n(HMM:1.1e-13)

16845	ed_peptide_2_348_aa ATL8C46220_GENSCAN_predi	snf2_n(HMM:9.3e-05)
16846	cted_peptide_1_308_aa ATL8C47261_GENSCAN_predi	snf2_n(HMM:1.1e-05)
16847	cted_peptide_1_201_aa ATL8C47714_GENSCAN_predi	snf2_n(HMM:8.9e-13)
16848	cted_peptide_1_248_aa ATL8C47876_GENSCAN_predi	snf2_n(HMM:3.9e-12)
16849	cted_peptide_1_474_aa ATL8C7651_GENSCAN_predict	snf2_n(HMM:5.7e-05)
16850	ed_peptide_1_87_aa ATL8C8919_GENSCAN_predict	snf2_n(HMM:5.4e-10)
16851	ed_peptide_1_282_aa ATL8C8921_GENSCAN_predict	snf2_n(HMM:1.1e-21)
16852	ed_peptide_1_271_aa ATL8C9764_GENSCAN_predict	snf2_n(HMM:0.03)
16853	ed_peptide_1_338_aa ATL8C99_GENSCAN_predicted	snf2_n(HMM:7.1e-09)
16854	_peptide_1_163_aa ATL8S14501_GENSCAN_predi	snf2_n(HMM:0.0032)
16855	cted_peptide_1_23_aa ATL8S17492_GENSCAN_predi	snf2_n(HMM:5e-19)
16856	cted_peptide_1_124_aa ATL8S19389_GENSCAN_predi	snf2_n(HMM:1.4e-07)
16857	cted_peptide_1_106_aa ATL8S23578_GENSCAN_predi	snf2_n(HMM:0.001)
16858	cted_peptide_1_105_aa ATL8S8606_GENSCAN_predict	snf2_n(HMM:0.00028)
16859	ed_peptide_1_139_aa ATL8C10404_GENSCAN_predi	snf2_n(HMM:1.1e-22),zf-
16860	cted_peptide_2_400_aa ATL8C3225_GENSCAN_predict	c3hc4(HMM:3.1e-10)
16861	ed_peptide_1_622_aa ATL8C5320_GENSCAN_predict	snf2_n(HMM:1.1e-63),zf-
16862	ed_peptide_2_881_aa ATL8C5320_GENSCAN_predict	c3hc4(HMM:1.7e-06)
16863	ed_peptide_1_340_aa ATL8C1028_GENSCAN_predict	snf2_n(HMM:5.3e-83),zf-
16864	ed_peptide_1_254_aa ATL8C13144_GENSCAN_predi	c3hc4(HMM:1.1e-08)
16865	ed_peptide_1_284_aa ATL8C1384_GENSCAN_predict	srf-tf(HMM:0.017)
16866	ATL8C15039_GENSCAN_predi	srf-tf(HMM:6.7e-16)
16867	cted_peptide_1_207_aa	srf-tf(HMM:0.075)
16868	ATL8C15194_GENSCAN_predi	srf-tf(HMM:7.9e-15)
16869	cted_peptide_1_256_aa	srf-tf(HMM:2.4e-07)
16870	ATL8C17047_GENSCAN_predi	srf-tf(HMM:3e-07)
16871	cted_peptide_1_275_aa	srf-tf(HMM:0.27)
	ATL8C17616_GENSCAN_predi	srf-tf(HMM:0.029)
	cted_peptide_1_155_aa	srf-tf(HMM:5e-11)
	ATL8C18528_GENSCAN_predi	srf-tf(HMM:1.3e-09)
	cted_peptide_3_96_aa	
	ATL8C18728_GENSCAN_predi	

16872	cted_peptide_1_220_aa ATL8C23164_GENSCAN_predi	srf-tf(HMM:7.1e-25)
16873	cted_peptide_1_132_aa ATL8C24315_GENSCAN_predi	srf-tf(HMM:2e-08)
16874	cted_peptide_1_272_aa ATL8C30189_GENSCAN_predi	srf-tf(HMM:6.6e-22)
16875	cted_peptide_1_143_aa ATL8C30300_GENSCAN_predi	srf-tf(HMM:4.4e-26)
16876	cted_peptide_1_95_aa ATL8C31064_GENSCAN_predi	srf-tf(HMM:4.3e-13)
16877	cted_peptide_1_327_aa ATL8C31809_GENSCAN_predi	srf-tf(HMM:9.6)
16878	cted_peptide_1_35_aa ATL8C32220_GENSCAN_predi	srf-tf(HMM:0.027)
16879	cted_peptide_1_341_aa ATL8C34008_GENSCAN_predi	srf-tf(HMM:0.036)
16880	cted_peptide_1_164_aa ATL8C35638_GENSCAN_predi	srf-tf(HMM:5.4e-19)
16881	cted_peptide_2_427_aa ATL8C38401_GENSCAN_predi	srf-tf(HMM:1.7e-36)
16882	cted_peptide_1_61_aa ATL8C38623_GENSCAN_predi	srf-tf(HMM:4.5e-08)
16883	cted_peptide_1_126_aa ATL8C38642_GENSCAN_predi	srf-tf(HMM:9.1e-18)
16884	cted_peptide_1_83_aa ATL8C39183_GENSCAN_predi	srf-tf(HMM:0.013)
16885	cted_peptide_1_386_aa ATL8C40267_GENSCAN_predi	srf-tf(HMM:4.3e-13)
16886	cted_peptide_1_311_aa ATL8C40815_GENSCAN_predi	srf-tf(HMM:9.3e-37)
16887	cted_peptide_1_64_aa ATL8C41429_GENSCAN_predi	srf-tf(HMM:0.00025)
16888	cted_peptide_1_175_aa ATL8C41998_GENSCAN_predi	srf-tf(HMM:8.9e-06)
16889	cted_peptide_1_530_aa ATL8C42193_GENSCAN_predi	srf-tf(HMM:3.8e-25)
16890	cted_peptide_1_217_aa ATL8C45457_GENSCAN_predi	srf-tf(HMM:3.9e-10)
16891	cted_peptide_1_235_aa ATL8C46709_GENSCAN_predi	srf-tf(HMM:8e-12)
16892	cted_peptide_1_90_aa ATL8C4708_GENSCAN_predict	srf-tf(HMM:1.6e-14)
16893	ed_peptide_1_132_aa ATL8C47812_GENSCAN_predi	srf-tf(HMM:1.3e-36)
16894	cted_peptide_1_78_aa ATL8C48816_GENSCAN_predi	srf-tf(HMM:4.3e-33)
16895	cted_peptide_1_117_aa ATL8C5388_GENSCAN_predict	srf-tf(HMM:6.6e-28)
16896	ed_peptide_1_62_aa ATL8C7116_GENSCAN_predict	srf-tf(HMM:4.8e-29)
16897	ed_peptide_1_60_aa ATL8C896_GENSCAN_predicte	srf-tf(HMM:0.029)
16898	d_peptide_1_345_aa ATL8C923_GENSCAN_predicte	srf-tf(HMM:0.08)

16899	d_peptide_2_250_aa ATL8C9422_GENSCAN_predict	srf-tf(HMM:0.065)
16900	ed_peptide_1_67_aa ATL8C9959_GENSCAN_predict	srf-tf(HMM:8.6e-33)
16901	ed_peptide_1_62_aa ATL8S12434_GENSCAN_predi	srf-tf(HMM:0.0011)
16902	cted_peptide_1_104_aa ATL8S173_GENSCAN_predicte	srf-tf(HMM:1.4e-16)
16903	d_peptide_1_42_aa ATL8S4917_GENSCAN_predict	srf-tf(HMM:1.3e-38)
16904	ed_peptide_1_62_aa ATL8S7885_GENSCAN_predict	srf-tf(HMM:4e-14)
16905	ed_peptide_1_110_aa ATL8S9476_GENSCAN_predict	srf-tf(HMM:1.4e-36)
16906	ed_peptide_1_81_aa ATL8C26602_GENSCAN_predi	tbp(HMM:1.3e-37)
16907	cted_peptide_1_71_aa ATL8C12435_GENSCAN_predi	teo(HMM:3.7e-07)
16908	cted_peptide_1_70_aa ATL8C13601_GENSCAN_predi	teo(HMM:1.2e-14)
16909	cted_peptide_1_120_aa ATL8C20545_GENSCAN_predi	teo(HMM:2.9e-30)
16910	cted_peptide_1_184_aa ATL8C20594_GENSCAN_predi	teo(HMM:7.4e-07)
16911	cted_peptide_1_243_aa ATL8C22565_GENSCAN_predi	teo(HMM:7.2e-24)
16912	cted_peptide_1_138_aa ATL8C22797_GENSCAN_predi	teo(HMM:1.6e-27)
16913	cted_peptide_1_188_aa ATL8C26128_GENSCAN_predi	teo(HMM:1.7e-38)
16914	cted_peptide_1_286_aa ATL8C26147_GENSCAN_predi	teo(HMM:1e-30)
16915	cted_peptide_1_157_aa ATL8C26149_GENSCAN_predi	teo(HMM:4.8e-30)
16916	cted_peptide_1_141_aa ATL8C27592_GENSCAN_predi	teo(HMM:5.9e-37)
16917	cted_peptide_4_239_aa ATL8C32855_GENSCAN_predi	teo(HMM:2e-40)
16918	cted_peptide_1_408_aa ATL8C3391_GENSCAN_predict	teo(HMM:0.0048)
16919	ed_peptide_1_88_aa ATL8C9086_GENSCAN_predict	teo(HMM:1.1e-42)
16920	ed_peptide_1_174_aa ATL8S10522_GENSCAN_predi	teo(HMM:0.00032)
16921	cted_peptide_1_49_aa ATL8S10659_GENSCAN_predi	teo(HMM:4.3e-34)
16922	cted_peptide_1_120_aa ATL8S487_GENSCAN_predicte	teo(HMM:8.3e-11)
16923	d_peptide_1_46_aa ATL8C32480_GENSCAN_predi	tffis(HMM:1.9e-14)
16924	cted_peptide_1_69_aa ATL8C471_GENSCAN_predicte	tffis(HMM:1.4e-20)
16925	d_peptide_1_358_aa ATL8C17305_GENSCAN_predi	transcript_fac2(HMM:2.5e-14)

16926	cted_peptide_1_91_aa ATL8C1878_GENSCAN_predict	transcript_fac2(HMM:3.7e-19)
16927	ed_peptide_1_267_aa ATL8C20301_GENSCAN_predi	transcript_fac2(HMM:1.7e-08)
16928	cted_peptide_2_173_aa ATL8C23301_GENSCAN_predi	transcript_fac2(HMM:1.9e-13)
16929	cted_peptide_1_132_aa ATL8C28488_GENSCAN_predi	transcript_fac2(HMM:3.2e-09)
16930	cted_peptide_1_194_aa ATL8C3183_GENSCAN_predict	transcript_fac2(HMM:1.8e-08)
16931	ed_peptide_1_404_aa ATL8C5701_GENSCAN_predict	transcript_fac2(HMM:0.00023)
16932	ed_peptide_1_132_aa ATL8C6913_GENSCAN_predict	transcript_fac2(HMM:0.0011)
16933	ed_peptide_1_86_aa ATL8S1099_GENSCAN_predict	transcript_fac2(HMM:5.1e-08)
16934	ed_peptide_1_149_aa ATL8S6837_GENSCAN_predict	transcript_fac2(HMM:0.0062)
16935	ed_peptide_1_82_aa ATL8C11040_GENSCAN_predi	trihelix(HMM:0.00073)
16936	cted_peptide_1_276_aa ATL8C11723_GENSCAN_predi	trihelix(HMM:0.017)
16937	cted_peptide_1_224_aa ATL8C18126_GENSCAN_predi	trihelix(HMM:4.4e-05)
16938	cted_peptide_1_155_aa ATL8C20354_GENSCAN_predi	trihelix(HMM:0.00068)
16939	cted_peptide_1_85_aa ATL8C20482_GENSCAN_predi	trihelix(HMM:1.9e-41)
16940	cted_peptide_1_265_aa ATL8C21021_GENSCAN_predi	trihelix(HMM:0.00031)
16941	cted_peptide_1_176_aa ATL8C24673_GENSCAN_predi	trihelix(HMM:0.18)
16942	cted_peptide_1_381_aa ATL8C33701_GENSCAN_predi	trihelix(HMM:1.7e-108)
16943	cted_peptide_1_637_aa ATL8C37686_GENSCAN_predi	trihelix(HMM:5.8e-05)
16944	cted_peptide_1_177_aa ATL8C38223_GENSCAN_predi	trihelix(HMM:1.2e-05)
16945	cted_peptide_1_137_aa ATL8C48333_GENSCAN_predi	trihelix(HMM:3.6e-37)
16946	cted_peptide_2_342_aa ATL8C49399_GENSCAN_predi	trihelix(HMM:1.4e-61)
16947	cted_peptide_1_173_aa ATL8C5784_GENSCAN_predict	trihelix(HMM:0.0055)
16948	ed_peptide_1_340_aa ATL8S623_GENSCAN_predicte	trihelix(HMM:3.3e-05)
16949	d_peptide_1_102_aa ATL8C10297_GENSCAN_predi	wrky(HMM:0.077)
16950	cted_peptide_4_569_aa ATL8C10305_GENSCAN_predi	wrky(HMM:0.51)
16951	cted_peptide_1_463_aa ATL8C11260_GENSCAN_predi	wrky(HMM:0.00067)
16952	cted_peptide_1_121_aa ATL8C11690_GENSCAN_predi	wrky(HMM:2.6e-43)

16953	cted_peptide_1_391_aa ATL8C11900_GENSCAN_predi	wrky(HMM:0.82)
16954	cted_peptide_1_49_aa ATL8C1197_GENSCAN_predict	wrky(HMM:1.7e-05)
16955	ed_peptide_1_153_aa ATL8C12232_GENSCAN_predi	wrky(HMM:1.2e-05)
16956	cted_peptide_1_126_aa ATL8C15917_GENSCAN_predi	wrky(HMM:4.1e-12)
16957	cted_peptide_1_89_aa ATL8C15953_GENSCAN_predi	wrky(HMM:6.4e-92)
16958	cted_peptide_1_453_aa ATL8C1642_GENSCAN_predict	wrky(HMM:2.7e-85)
16959	ed_peptide_1_481_aa ATL8C16659_GENSCAN_predi	wrky(HMM:1.3e-83)
16960	cted_peptide_1_276_aa ATL8C16724_GENSCAN_predi	wrky(HMM:2.4e-39)
16961	cted_peptide_1_319_aa ATL8C17027_GENSCAN_predi	wrky(HMM:1.8e-40)
16962	cted_peptide_2_624_aa ATL8C18793_GENSCAN_predi	wrky(HMM:1.2e-05)
16963	cted_peptide_1_145_aa ATL8C21956_GENSCAN_predi	wrky(HMM:7.9e-17)
16964	cted_peptide_1_272_aa ATL8C25073_GENSCAN_predi	wrky(HMM:1.2e-90)
16965	cted_peptide_1_369_aa ATL8C2521_GENSCAN_predict	wrky(HMM:1.1e-08)
16966	ed_peptide_1_124_aa ATL8C26881_GENSCAN_predi	wrky(HMM:5.4e-09)
16967	cted_peptide_1_175_aa ATL8C27046_GENSCAN_predi	wrky(HMM:1.1e-05)
16968	cted_peptide_1_41_aa ATL8C28618_GENSCAN_predi	wrky(HMM:1.1e-06)
16969	cted_peptide_1_155_aa ATL8C29269_GENSCAN_predi	wrky(HMM:5.3e-91)
16970	cted_peptide_2_408_aa ATL8C29710_GENSCAN_predi	wrky(HMM:3e-39)
16971	cted_peptide_1_139_aa ATL8C30505_GENSCAN_predi	wrky(HMM:3.6e-40)
16972	cted_peptide_1_471_aa ATL8C32401_GENSCAN_predi	wrky(HMM:0.015)
16973	cted_peptide_1_144_aa ATL8C33505_GENSCAN_predi	wrky(HMM:1.1e-05)
16974	cted_peptide_1_141_aa ATL8C33535_GENSCAN_predi	wrky(HMM:6.4e-73)
16975	cted_peptide_1_621_aa ATL8C33869_GENSCAN_predi	wrky(HMM:7.4e-40)
16976	cted_peptide_1_298_aa ATL8C3446_GENSCAN_predict	wrky(HMM:2e-41)
16977	ed_peptide_1_184_aa ATL8C36801_GENSCAN_predi	wrky(HMM:4.7e-33)
16978	cted_peptide_1_267_aa ATL8C37236_GENSCAN_predi	wrky(HMM:5.6e-14)
16979	cted_peptide_1_161_aa ATL8C38114_GENSCAN_predi	wrky(HMM:0.93)

16980	cted_peptide_1_241_aa ATL8C38337_GENSCAN_predi	wrky(HMM:9.1e-45)
16981	cted_peptide_1_175_aa ATL8C38358_GENSCAN_predi	wrky(HMM:2.8e-42)
16982	cted_peptide_1_322_aa ATL8C39108_GENSCAN_predi	wrky(HMM:4.3e-14)
16983	cted_peptide_1_96_aa ATL8C39930_GENSCAN_predi	wrky(HMM:1.5e-41)
16984	cted_peptide_1_476_aa ATL8C40033_GENSCAN_predi	wrky(HMM:3.3e-17)
16985	cted_peptide_1_85_aa ATL8C40955_GENSCAN_predi	wrky(HMM:2.8)
16986	cted_peptide_1_282_aa ATL8C41585_GENSCAN_predi	wrky(HMM:8.7e-08)
16987	cted_peptide_1_151_aa ATL8C42590_GENSCAN_predi	wrky(HMM:3.9e-44)
16988	cted_peptide_1_425_aa ATL8C46981_GENSCAN_predi	wrky(HMM:1.2e-33)
16989	cted_peptide_1_756_aa ATL8C48015_GENSCAN_predi	wrky(HMM:6.5e-05)
16990	cted_peptide_1_350_aa ATL8C48530_GENSCAN_predi	wrky(HMM:7.3e-09)
16991	cted_peptide_1_268_aa ATL8C4973_GENSCAN_predict	wrky(HMM:3.8e-40)
16992	ed_peptide_1_427_aa ATL8C49825_GENSCAN_predi	wrky(HMM:4.9e-39)
16993	cted_peptide_1_203_aa ATL8C5309_GENSCAN_predict	wrky(HMM:2.7e-38)
16994	ed_peptide_1_567_aa ATL8C6059_GENSCAN_predict	wrky(HMM:4e-09)
16995	ed_peptide_1_133_aa ATL8C7056_GENSCAN_predict	wrky(HMM:9.2e-40)
16996	ed_peptide_1_275_aa ATL8C716_GENSCAN_predicte	wrky(HMM:0.66)
16997	d_peptide_1_177_aa ATL8C7257_GENSCAN_predict	wrky(HMM:8.1e-77)
16998	ed_peptide_1_537_aa ATL8C8208_GENSCAN_predict	wrky(HMM:1.1e-11)
16999	ed_peptide_2_181_aa ATL8C8940_GENSCAN_predict	wrky(HMM:1.5e-36)
17000	ed_peptide_1_184_aa ATL8S18208_GENSCAN_predi	wrky(HMM:2.6e-09)
17001	cted_peptide_1_88_aa ATL8S2126_GENSCAN_predict	wrky(HMM:0.005)
17002	ed_peptide_1_33_aa ATL8S29802_GENSCAN_predi	wrky(HMM:3.3e-06)
17003	cted_peptide_1_48_aa ATL8S3927_GENSCAN_predict	wrky(HMM:0.26)
17004	ed_peptide_1_94_aa ATL8S4643_GENSCAN_predict	wrky(HMM:0.022)
17005	ed_peptide_1_127_aa ATL8C11033_GENSCAN_predi	zf-b_box(HMM:0.004),zf-
17006	cted_peptide_1_296_aa ATL8C12163_GENSCAN_predi	constans(HMM:8.1e-13) zf-b_box(HMM:0.018),zf-

17007	cted_peptide_1_331_aa ATL8C12716_GENSCAN_predi	constans(HMM:2.9e-14) zf-b_box(HMM:0.0055),zf-
17008	cted_peptide_1_373_aa ATL8C13955_GENSCAN_predi	constans(HMM:3.6e-41) zf-b_box(HMM:0.005),zf-
17009	cted_peptide_1_307_aa ATL8C15713_GENSCAN_predi	constans(HMM:6.7e-20) zf-b_box(HMM:0.0011),zf-
17010	cted_peptide_1_294_aa ATL8C22234_GENSCAN_predi	constans(HMM:2e-41) zf-b_box(HMM:0.011),zf-
17011	cted_peptide_2_349_aa ATL8C2519_GENSCAN_predict	constans(HMM:4e-16) zf-b_box(HMM:0.00095),zf-
17012	ed_peptide_1_238_aa ATL8C25591_GENSCAN_predi	constans(HMM:5e-36) zf-b_box(HMM:0.017),zf-
17013	cted_peptide_1_61_aa ATL8C26213_GENSCAN_predi	constans(HMM:9.5e-21) zf-b_box(HMM:0.0028),zf-
17014	cted_peptide_1_228_aa ATL8C32532_GENSCAN_predi	constans(HMM:1.4e-42) zf-b_box(HMM:0.024),zf-
17015	cted_peptide_1_248_aa ATL8C36559_GENSCAN_predi	constans(HMM:2.8e-42) zf-b_box(HMM:0.056),zf-
17016	cted_peptide_1_262_aa ATL8C48004_GENSCAN_predi	constans(HMM:2.6e-38) zf-b_box(HMM:0.0016),zf-
17017	cted_peptide_2_362_aa ATL8C4868_GENSCAN_predict	constans(HMM:1.1e-39) zf-b_box(HMM:0.00074),zf-
17018	ed_peptide_1_229_aa ATL8C48781_GENSCAN_predi	constans(HMM:4.5e-44) zf-b_box(HMM:0.01),zf-
17019	cted_peptide_1_196_aa ATL8C49688_GENSCAN_predi	constans(HMM:1.3e-20) zf-b_box(HMM:0.0016),zf-
17020	cted_peptide_1_98_aa ATL8C49854_GENSCAN_predi	constans(HMM:4.7e-40) zf-b_box(HMM:0.004),zf-
17021	cted_peptide_1_163_aa ATL8C1080_GENSCAN_predict	constans(HMM:1.8e-33) zf-c2h2(HMM:6.8e-10)
17022	ed_peptide_1_364_aa ATL8C11541_GENSCAN_predi	zf-c2h2(HMM:3.5e-08)
17023	cted_peptide_1_273_aa ATL8C12581_GENSCAN_predi	zf-c2h2(HMM:0.0069)
17024	cted_peptide_1_372_aa ATL8C13659_GENSCAN_predi	zf-c2h2(HMM:1.2e-08)
17025	cted_peptide_1_150_aa ATL8C13767_GENSCAN_predi	zf-c2h2(HMM:6.1e-09)
17026	cted_peptide_1_270_aa ATL8C14473_GENSCAN_predi	zf-c2h2(HMM:4.5e-08)
17027	cted_peptide_1_246_aa ATL8C15325_GENSCAN_predi	zf-c2h2(HMM:2.5e-08)
17028	cted_peptide_1_109_aa ATL8C16405_GENSCAN_predi	zf-c2h2(HMM:3.4e-08)
17029	cted_peptide_1_865_aa ATL8C16594_GENSCAN_predi	zf-c2h2(HMM:0.0026)
17030	cted_peptide_1_214_aa ATL8C16622_GENSCAN_predi	zf-c2h2(HMM:1.8e-08)
17031	cted_peptide_1_194_aa ATL8C1848_GENSCAN_predict	zf-c2h2(HMM:0.001)
17032	ed_peptide_1_143_aa ATL8C1850_GENSCAN_predict	zf-c2h2(HMM:3.4e-05)
17033	ed_peptide_1_124_aa ATL8C200_GENSCAN_predicte	zf-c2h2(HMM:2.9e-08)

17034	d_peptide_1_188_aa ATL8C20286_GENSCAN_predi	zf-c2h2(HMM:0.0022)
17035	cted_peptide_1_199_aa ATL8C21180_GENSCAN_predi	zf-c2h2(HMM:1.4e-14)
17036	cted_peptide_2_1184_aa ATL8C21697_GENSCAN_predi	zf-c2h2(HMM:0.0072)
17037	cted_peptide_1_172_aa ATL8C22038_GENSCAN_predi	zf-c2h2(HMM:0.0048)
17038	cted_peptide_1_213_aa ATL8C23298_GENSCAN_predi	zf-c2h2(HMM:1.4e-09)
17039	cted_peptide_1_145_aa ATL8C24089_GENSCAN_predi	zf-c2h2(HMM:0.0014)
17040	cted_peptide_1_132_aa ATL8C25808_GENSCAN_predi	zf-c2h2(HMM:9.1e-17)
17041	cted_peptide_1_302_aa ATL8C27376_GENSCAN_predi	zf-c2h2(HMM:1.9e-08)
17042	cted_peptide_1_136_aa ATL8C27379_GENSCAN_predi	zf-c2h2(HMM:6.8e-10)
17043	cted_peptide_1_285_aa ATL8C27555_GENSCAN_predi	zf-c2h2(HMM:0.012)
17044	cted_peptide_1_222_aa ATL8C29080_GENSCAN_predi	zf-c2h2(HMM:2.7e-08)
17045	cted_peptide_1_137_aa ATL8C29385_GENSCAN_predi	zf-c2h2(HMM:6.1e-09)
17046	cted_peptide_1_143_aa ATL8C30751_GENSCAN_predi	zf-c2h2(HMM:1.2e-09)
17047	cted_peptide_1_184_aa ATL8C31709_GENSCAN_predi	zf-c2h2(HMM:1.2e-08)
17048	cted_peptide_1_191_aa ATL8C31710_GENSCAN_predi	zf-c2h2(HMM:1.2e-08)
17049	cted_peptide_1_154_aa ATL8C31711_GENSCAN_predi	zf-c2h2(HMM:2.1e-07)
17050	cted_peptide_1_134_aa ATL8C31712_GENSCAN_predi	zf-c2h2(HMM:4e-08)
17051	cted_peptide_1_134_aa ATL8C31713_GENSCAN_predi	zf-c2h2(HMM:0.0012)
17052	cted_peptide_1_153_aa ATL8C31728_GENSCAN_predi	zf-c2h2(HMM:3.4e-06)
17053	cted_peptide_1_449_aa ATL8C35287_GENSCAN_predi	zf-c2h2(HMM:0.0055)
17054	cted_peptide_1_264_aa ATL8C35376_GENSCAN_predi	zf-c2h2(HMM:0.026)
17055	cted_peptide_1_210_aa ATL8C36830_GENSCAN_predi	zf-c2h2(HMM:3.2e-08)
17056	cted_peptide_1_192_aa ATL8C36913_GENSCAN_predi	zf-c2h2(HMM:0.019)
17057	cted_peptide_1_235_aa ATL8C3750_GENSCAN_predict	zf-c2h2(HMM:0.079)
17058	ed_peptide_1_101_aa ATL8C38084_GENSCAN_predi	zf-c2h2(HMM:0.0026)
17059	cted_peptide_1_186_aa ATL8C38357_GENSCAN_predi	zf-c2h2(HMM:0.024)
17060	cted_peptide_1_130_aa ATL8C39254_GENSCAN_predi	zf-c2h2(HMM:6.1e-07)

17061	cted_peptide_1_139_aa ATL8C40544_GENSCAN_predi	zf-c2h2(HMM:0.0011)
17062	cted_peptide_1_303_aa ATL8C41214_GENSCAN_predi	zf-c2h2(HMM:0.048)
17063	cted_peptide_1_364_aa ATL8C4237_GENSCAN_predict	zf-c2h2(HMM:0.0039)
17064	ed_peptide_1_112_aa ATL8C43178_GENSCAN_predi	zf-c2h2(HMM:2.3e-05)
17065	cted_peptide_1_414_aa ATL8C45752_GENSCAN_predi	zf-c2h2(HMM:7.5e-11)
17066	cted_peptide_1_256_aa ATL8C46186_GENSCAN_predi	zf-c2h2(HMM:0.00023)
17067	cted_peptide_1_180_aa ATL8C46660_GENSCAN_predi	zf-c2h2(HMM:1.2e-20)
17068	cted_peptide_1_240_aa ATL8C47018_GENSCAN_predi	zf-c2h2(HMM:0.055)
17069	cted_peptide_1_598_aa ATL8C47779_GENSCAN_predi	zf-c2h2(HMM:0.086)
17070	cted_peptide_1_203_aa ATL8C47911_GENSCAN_predi	zf-c2h2(HMM:2.7e-09)
17071	cted_peptide_1_215_aa ATL8C47967_GENSCAN_predi	zf-c2h2(HMM:0.012)
17072	cted_peptide_1_139_aa ATL8C4825_GENSCAN_predict	zf-c2h2(HMM:8.2e-13)
17073	ed_peptide_1_284_aa ATL8C48892_GENSCAN_predi	zf-c2h2(HMM:3e-08)
17074	cted_peptide_1_183_aa ATL8C49298_GENSCAN_predi	zf-c2h2(HMM:0.00032)
17075	cted_peptide_1_225_aa ATL8C49887_GENSCAN_predi	zf-c2h2(HMM:1e-05)
17076	cted_peptide_1_197_aa ATL8C50162_GENSCAN_predi	zf-c2h2(HMM:1.1e-06)
17077	cted_peptide_2_263_aa ATL8C5320_GENSCAN_predict	zf-c2h2(HMM:0.024)
17078	ed_peptide_1_248_aa ATL8C6984_GENSCAN_predict	zf-c2h2(HMM:0.0046)
17079	ed_peptide_1_272_aa ATL8C8207_GENSCAN_predict	zf-c2h2(HMM:2.5e-08)
17080	ed_peptide_1_109_aa ATL8C9262_GENSCAN_predict	zf-c2h2(HMM:0.034)
17081	ed_peptide_1_128_aa ATL8C9414_GENSCAN_predict	zf-c2h2(HMM:0.00035)
17082	ed_peptide_1_97_aa ATL8C9527_GENSCAN_predict	zf-c2h2(HMM:0.00083)
17083	ed_peptide_1_339_aa ATL8S10274_GENSCAN_predi	zf-c2h2(HMM:2.2e-07)
17084	cted_peptide_1_231_aa ATL8S9284_GENSCAN_predict	zf-c2h2(HMM:0.0043)
17085	ed_peptide_1_67_aa ATL8C10345_GENSCAN_predi	zf-c3hc4(HMM:0.003)
17086	cted_peptide_1_248_aa ATL8C10774_GENSCAN_predi	zf-c3hc4(HMM:0.01)
17087	cted_peptide_1_388_aa ATL8C11241_GENSCAN_predi	zf-c3hc4(HMM:0.0028)

17088	cted_peptide_1_416_aa ATL8C11351_GENSCAN_predi	zf-c3hc4(HMM:0.092)
17089	cted_peptide_2_339_aa ATL8C1175_GENSCAN_predict	zf-c3hc4(HMM:3.3e-11)
17090	ed_peptide_1_174_aa ATL8C1193_GENSCAN_predict	zf-c3hc4(HMM:0.00015)
17091	ed_peptide_1_391_aa ATL8C12324_GENSCAN_predi	zf-c3hc4(HMM:9.9e-12)
17092	cted_peptide_1_215_aa ATL8C12646_GENSCAN_predi	zf-c3hc4(HMM:0.00043)
17093	cted_peptide_1_129_aa ATL8C12791_GENSCAN_predi	zf-c3hc4(HMM:3.9e-13)
17094	cted_peptide_2_182_aa ATL8C12959_GENSCAN_predi	zf-c3hc4(HMM:0.21)
17095	cted_peptide_1_95_aa ATL8C13096_GENSCAN_predi	zf-c3hc4(HMM:1.7e-09)
17096	cted_peptide_1_182_aa ATL8C13134_GENSCAN_predi	zf-c3hc4(HMM:1e-11)
17097	cted_peptide_2_369_aa ATL8C13219_GENSCAN_predi	zf-c3hc4(HMM:6e-12)
17098	cted_peptide_1_220_aa ATL8C13581_GENSCAN_predi	zf-c3hc4(HMM:5e-12)
17099	cted_peptide_1_189_aa ATL8C13750_GENSCAN_predi	zf-c3hc4(HMM:3.1e-10)
17100	cted_peptide_1_256_aa ATL8C13754_GENSCAN_predi	zf-c3hc4(HMM:1.2)
17101	cted_peptide_1_256_aa ATL8C13951_GENSCAN_predi	zf-c3hc4(HMM:3.4e-12)
17102	cted_peptide_2_180_aa ATL8C14035_GENSCAN_predi	zf-c3hc4(HMM:1e-07)
17103	cted_peptide_1_152_aa ATL8C14792_GENSCAN_predi	zf-c3hc4(HMM:3.3e-08)
17104	cted_peptide_1_176_aa ATL8C15192_GENSCAN_predi	zf-c3hc4(HMM:0.001)
17105	cted_peptide_1_258_aa ATL8C15474_GENSCAN_predi	zf-c3hc4(HMM:3)
17106	cted_peptide_1_295_aa ATL8C15503_GENSCAN_predi	zf-c3hc4(HMM:0.61)
17107	cted_peptide_1_220_aa ATL8C15755_GENSCAN_predi	zf-c3hc4(HMM:0.012)
17108	cted_peptide_1_342_aa ATL8C1585_GENSCAN_predict	zf-c3hc4(HMM:0.00076)
17109	ed_peptide_2_465_aa ATL8C16440_GENSCAN_predi	zf-c3hc4(HMM:1.8e-06)
17110	cted_peptide_1_317_aa ATL8C16763_GENSCAN_predi	zf-c3hc4(HMM:0.0016)
17111	cted_peptide_1_407_aa ATL8C17363_GENSCAN_predi	zf-c3hc4(HMM:9.5e-09)
17112	cted_peptide_2_378_aa ATL8C17363_GENSCAN_predi	zf-c3hc4(HMM:2.8e-06)
17113	cted_peptide_3_302_aa ATL8C17741_GENSCAN_predi	zf-c3hc4(HMM:0.0019)
17114	cted_peptide_1_139_aa ATL8C17766_GENSCAN_predi	zf-c3hc4(HMM:3.8e-12)

17115	cted_peptide_1_289_aa ATL8C18017_GENSCAN_predi	zf-c3hc4(HMM:0.79)
17116	cted_peptide_1_288_aa ATL8C18656_GENSCAN_predi	zf-c3hc4(HMM:1.5e-08)
17117	cted_peptide_2_86_aa ATL8C19209_GENSCAN_predi	zf-c3hc4(HMM:1.2e-09)
17118	cted_peptide_2_224_aa ATL8C20148_GENSCAN_predi	zf-c3hc4(HMM:2.7e-05)
17119	cted_peptide_1_383_aa ATL8C20438_GENSCAN_predi	zf-c3hc4(HMM:0.0077)
17120	cted_peptide_1_152_aa ATL8C20598_GENSCAN_predi	zf-c3hc4(HMM:2.8e-12)
17121	cted_peptide_1_515_aa ATL8C21566_GENSCAN_predi	zf-c3hc4(HMM:7.3e-09)
17122	cted_peptide_1_188_aa ATL8C21572_GENSCAN_predi	zf-c3hc4(HMM:2e-13)
17123	cted_peptide_1_210_aa ATL8C21672_GENSCAN_predi	zf-c3hc4(HMM:0.0058)
17124	cted_peptide_1_382_aa ATL8C21741_GENSCAN_predi	zf-c3hc4(HMM:0.094)
17125	cted_peptide_1_336_aa ATL8C21848_GENSCAN_predi	zf-c3hc4(HMM:6.4e-13)
17126	cted_peptide_1_180_aa ATL8C22196_GENSCAN_predi	zf-c3hc4(HMM:0.0012)
17127	cted_peptide_1_289_aa ATL8C22472_GENSCAN_predi	zf-c3hc4(HMM:3.2e-11)
17128	cted_peptide_1_289_aa ATL8C22512_GENSCAN_predi	zf-c3hc4(HMM:6.1e-13)
17129	cted_peptide_1_400_aa ATL8C22674_GENSCAN_predi	zf-c3hc4(HMM:0.0025)
17130	cted_peptide_1_312_aa ATL8C22875_GENSCAN_predi	zf-c3hc4(HMM:0.0011)
17131	cted_peptide_1_133_aa ATL8C2320_GENSCAN_predict	zf-c3hc4(HMM:1.3)
17132	ed_peptide_1_444_aa ATL8C2347_GENSCAN_predict	zf-c3hc4(HMM:0.00035)
17133	ed_peptide_1_162_aa ATL8C23839_GENSCAN_predi	zf-c3hc4(HMM:5.6e-12)
17134	cted_peptide_1_166_aa ATL8C23979_GENSCAN_predi	zf-c3hc4(HMM:0.034)
17135	cted_peptide_1_61_aa ATL8C24150_GENSCAN_predi	zf-c3hc4(HMM:5.6e-13)
17136	cted_peptide_2_122_aa ATL8C24658_GENSCAN_predi	zf-c3hc4(HMM:7.3e-09)
17137	cted_peptide_1_112_aa ATL8C24880_GENSCAN_predi	zf-c3hc4(HMM:3.4e-14)
17138	cted_peptide_1_135_aa ATL8C25142_GENSCAN_predi	zf-c3hc4(HMM:0.00066)
17139	cted_peptide_1_125_aa ATL8C25180_GENSCAN_predi	zf-c3hc4(HMM:0.0034)
17140	cted_peptide_1_224_aa ATL8C26043_GENSCAN_predi	zf-c3hc4(HMM:8.4e-07)
17141	cted_peptide_1_597_aa ATL8C26429_GENSCAN_predi	zf-c3hc4(HMM:3e-10)

17142	cted_peptide_1_221_aa ATL8C26629_GENSCAN_predi	zf-c3hc4(HMM:0.071)
17143	cted_peptide_1_248_aa ATL8C26947_GENSCAN_predi	zf-c3hc4(HMM:0.00037)
17144	cted_peptide_2_1079_aa ATL8C27300_GENSCAN_predi	zf-c3hc4(HMM:0.0013)
17145	cted_peptide_1_563_aa ATL8C27368_GENSCAN_predi	zf-c3hc4(HMM:7.7e-14)
17146	cted_peptide_1_322_aa ATL8C27373_GENSCAN_predi	zf-c3hc4(HMM:1.3e-12)
17147	cted_peptide_2_351_aa ATL8C27465_GENSCAN_predi	zf-c3hc4(HMM:3.3e-06)
17148	cted_peptide_1_257_aa ATL8C2778_GENSCAN_predict	zf-c3hc4(HMM:0.00034)
17149	ed_peptide_1_281_aa ATL8C27804_GENSCAN_predi	zf-c3hc4(HMM:0.00018)
17150	cted_peptide_1_365_aa ATL8C2811_GENSCAN_predict	zf-c3hc4(HMM:2e-13)
17151	ed_peptide_2_329_aa ATL8C28447_GENSCAN_predi	zf-c3hc4(HMM:0.00078)
17152	cted_peptide_1_333_aa ATL8C2947_GENSCAN_predict	zf-c3hc4(HMM:7.7e-09)
17153	ed_peptide_1_285_aa ATL8C30761_GENSCAN_predi	zf-c3hc4(HMM:1.6e-12)
17154	cted_peptide_1_140_aa ATL8C3085_GENSCAN_predict	zf-c3hc4(HMM:1.3e-05)
17155	ed_peptide_1_596_aa ATL8C3104_GENSCAN_predict	zf-c3hc4(HMM:1.6e-12)
17156	ed_peptide_1_404_aa ATL8C3127_GENSCAN_predict	zf-c3hc4(HMM:2.2e-07)
17157	ed_peptide_1_113_aa ATL8C31457_GENSCAN_predi	zf-c3hc4(HMM:0.021)
17158	cted_peptide_1_256_aa ATL8C32038_GENSCAN_predi	zf-c3hc4(HMM:7.2e-05)
17159	cted_peptide_2_220_aa ATL8C32124_GENSCAN_predi	zf-c3hc4(HMM:7.2e-12)
17160	cted_peptide_1_215_aa ATL8C3227_GENSCAN_predict	zf-c3hc4(HMM:0.072)
17161	ed_peptide_1_595_aa ATL8C32282_GENSCAN_predi	zf-c3hc4(HMM:1.6e-11)
17162	cted_peptide_1_210_aa ATL8C3338_GENSCAN_predict	zf-c3hc4(HMM:1.6e-08)
17163	ed_peptide_1_122_aa ATL8C33864_GENSCAN_predi	zf-c3hc4(HMM:7.2e-10)
17164	cted_peptide_1_199_aa ATL8C33980_GENSCAN_predi	zf-c3hc4(HMM:7.6e-12)
17165	cted_peptide_1_132_aa ATL8C3412_GENSCAN_predict	zf-c3hc4(HMM:5.3e-08)
17166	ed_peptide_2_196_aa ATL8C34476_GENSCAN_predi	zf-c3hc4(HMM:6.9e-12)
17167	cted_peptide_1_428_aa ATL8C35198_GENSCAN_predi	zf-c3hc4(HMM:0.00088)
17168	cted_peptide_1_144_aa ATL8C35742_GENSCAN_predi	zf-c3hc4(HMM:0.00052)

17169	cted_peptide_1_149_aa ATL8C35888_GENSCAN_predi	zf-c3hc4(HMM:7.5e-13)
17170	cted_peptide_1_229_aa ATL8C36336_GENSCAN_predi	zf-c3hc4(HMM:7.5e-10)
17171	cted_peptide_1_230_aa ATL8C36839_GENSCAN_predi	zf-c3hc4(HMM:0.003)
17172	cted_peptide_1_277_aa ATL8C3704_GENSCAN_predict	zf-c3hc4(HMM:2.1e-10)
17173	ed_peptide_1_410_aa ATL8C37126_GENSCAN_predi	zf-c3hc4(HMM:3.2e-10)
17174	cted_peptide_1_106_aa ATL8C3716_GENSCAN_predict	zf-c3hc4(HMM:0.00053)
17175	ed_peptide_2_263_aa ATL8C37182_GENSCAN_predi	zf-c3hc4(HMM:0.0024)
17176	cted_peptide_1_437_aa ATL8C37326_GENSCAN_predi	zf-c3hc4(HMM:0.0016)
17177	cted_peptide_1_226_aa ATL8C37347_GENSCAN_predi	zf-c3hc4(HMM:0.0015)
17178	cted_peptide_1_255_aa ATL8C37506_GENSCAN_predi	zf-c3hc4(HMM:2.9)
17179	cted_peptide_1_332_aa ATL8C37735_GENSCAN_predi	zf-c3hc4(HMM:1.7e-09)
17180	cted_peptide_1_202_aa ATL8C37836_GENSCAN_predi	zf-c3hc4(HMM:0.0016)
17181	cted_peptide_1_200_aa ATL8C38061_GENSCAN_predi	zf-c3hc4(HMM:6.5e-10)
17182	cted_peptide_1_355_aa ATL8C38442_GENSCAN_predi	zf-c3hc4(HMM:9.6e-14)
17183	cted_peptide_1_217_aa ATL8C38953_GENSCAN_predi	zf-c3hc4(HMM:1.7e-07)
17184	cted_peptide_1_199_aa ATL8C38970_GENSCAN_predi	zf-c3hc4(HMM:4e-06)
17185	cted_peptide_1_192_aa ATL8C39531_GENSCAN_predi	zf-c3hc4(HMM:2.2e-08)
17186	cted_peptide_1_98_aa ATL8C39997_GENSCAN_predi	zf-c3hc4(HMM:0.0015)
17187	cted_peptide_1_64_aa ATL8C40056_GENSCAN_predi	zf-c3hc4(HMM:1.8e-10)
17188	cted_peptide_1_130_aa ATL8C40599_GENSCAN_predi	zf-c3hc4(HMM:4.9e-14)
17189	cted_peptide_1_126_aa ATL8C40766_GENSCAN_predi	zf-c3hc4(HMM:0.0051)
17190	cted_peptide_1_124_aa ATL8C4189_GENSCAN_predict	zf-c3hc4(HMM:9.5e-05)
17191	ed_peptide_1_124_aa ATL8C41900_GENSCAN_predi	zf-c3hc4(HMM:0.85)
17192	cted_peptide_1_185_aa ATL8C42271_GENSCAN_predi	zf-c3hc4(HMM:7.3e-08)
17193	cted_peptide_1_177_aa ATL8C42320_GENSCAN_predi	zf-c3hc4(HMM:0.014)
17194	cted_peptide_1_97_aa ATL8C42412_GENSCAN_predi	zf-c3hc4(HMM:5.8e-08)
17195	cted_peptide_1_228_aa ATL8C42699_GENSCAN_predi	zf-c3hc4(HMM:9.5e-14)

17196	cted_peptide_1_175_aa ATL8C43163_GENSCAN_predi	zf-c3hc4(HMM:0.03)
17197	cted_peptide_1_240_aa ATL8C43688_GENSCAN_predi	zf-c3hc4(HMM:0.023)
17198	cted_peptide_2_908_aa ATL8C436_GENSCAN_predicte	zf-c3hc4(HMM:1.7e-09)
17199	d_peptide_2_223_aa ATL8C4411_GENSCAN_predict	zf-c3hc4(HMM:0.094)
17200	ed_peptide_1_352_aa ATL8C44394_GENSCAN_predi	zf-c3hc4(HMM:0.015)
17201	cted_peptide_1_360_aa ATL8C44636_GENSCAN_predi	zf-c3hc4(HMM:2.5e-09)
17202	cted_peptide_2_247_aa ATL8C44942_GENSCAN_predi	zf-c3hc4(HMM:3.5e-09)
17203	cted_peptide_1_287_aa ATL8C45036_GENSCAN_predi	zf-c3hc4(HMM:5.8e-11)
17204	cted_peptide_1_216_aa ATL8C45357_GENSCAN_predi	zf-c3hc4(HMM:1.8e-11)
17205	cted_peptide_2_144_aa ATL8C45480_GENSCAN_predi	zf-c3hc4(HMM:9.9e-14)
17206	cted_peptide_1_323_aa ATL8C45919_GENSCAN_predi	zf-c3hc4(HMM:8.3e-06)
17207	cted_peptide_1_214_aa ATL8C46488_GENSCAN_predi	zf-c3hc4(HMM:0.00039)
17208	cted_peptide_1_261_aa ATL8C47016_GENSCAN_predi	zf-c3hc4(HMM:6.6e-12)
17209	cted_peptide_1_649_aa ATL8C4766_GENSCAN_predict	zf-c3hc4(HMM:0.00049)
17210	ed_peptide_1_355_aa ATL8C47849_GENSCAN_predi	zf-c3hc4(HMM:4.7e-05)
17211	cted_peptide_1_171_aa ATL8C48086_GENSCAN_predi	zf-c3hc4(HMM:1.7e-13)
17212	cted_peptide_3_327_aa ATL8C48208_GENSCAN_predi	zf-c3hc4(HMM:0.038)
17213	cted_peptide_1_308_aa ATL8C48208_GENSCAN_predi	zf-c3hc4(HMM:1.4e-13)
17214	cted_peptide_2_425_aa ATL8C4841_GENSCAN_predict	zf-c3hc4(HMM:4.6e-07)
17215	ed_peptide_1_91_aa ATL8C48440_GENSCAN_predi	zf-c3hc4(HMM:0.72)
17216	cted_peptide_1_340_aa ATL8C48522_GENSCAN_predi	zf-c3hc4(HMM:5.9e-06)
17217	cted_peptide_1_165_aa ATL8C48719_GENSCAN_predi	zf-c3hc4(HMM:1.3e-10)
17218	cted_peptide_1_251_aa ATL8C48938_GENSCAN_predi	zf-c3hc4(HMM:1.1e-06)
17219	cted_peptide_1_166_aa ATL8C48991_GENSCAN_predi	zf-c3hc4(HMM:0.081)
17220	cted_peptide_1_206_aa ATL8C49075_GENSCAN_predi	zf-c3hc4(HMM:4.3e-13)
17221	cted_peptide_1_191_aa ATL8C49268_GENSCAN_predi	zf-c3hc4(HMM:8.7e-05)
17222	cted_peptide_1_114_aa ATL8C49321_GENSCAN_predi	zf-c3hc4(HMM:0.0028)

17223	cted_peptide_2_46_aa ATL8C49511_GENSCAN_predi	zf-c3hc4(HMM:1.3e-09)
17224	cted_peptide_1_89_aa ATL8C49801_GENSCAN_predi	zf-c3hc4(HMM:1.4e-11)
17225	cted_peptide_1_405_aa ATL8C49906_GENSCAN_predi	zf-c3hc4(HMM:1.6e-09)
17226	cted_peptide_1_207_aa ATL8C50119_GENSCAN_predi	zf-c3hc4(HMM:1.3e-12)
17227	cted_peptide_1_697_aa ATL8C5221_GENSCAN_predict	zf-c3hc4(HMM:0.0095)
17228	ed_peptide_1_391_aa ATL8C5808_GENSCAN_predict	zf-c3hc4(HMM:2.6e-14)
17229	ed_peptide_1_150_aa ATL8C5815_GENSCAN_predict	zf-c3hc4(HMM:8.5e-14)
17230	ed_peptide_1_344_aa ATL8C5950_GENSCAN_predict	zf-c3hc4(HMM:0.096)
17231	ed_peptide_1_992_aa ATL8C5999_GENSCAN_predict	zf-c3hc4(HMM:3.2e-08)
17232	ed_peptide_1_96_aa ATL8C6265_GENSCAN_predict	zf-c3hc4(HMM:5.5e-10)
17233	ed_peptide_1_236_aa ATL8C6505_GENSCAN_predict	zf-c3hc4(HMM:1.2)
17234	ed_peptide_1_342_aa ATL8C6775_GENSCAN_predict	zf-c3hc4(HMM:0.023)
17235	ed_peptide_3_97_aa ATL8C6835_GENSCAN_predict	zf-c3hc4(HMM:4.6e-05)
17236	ed_peptide_1_59_aa ATL8C6945_GENSCAN_predict	zf-c3hc4(HMM:1.2e-13)
17237	ed_peptide_1_310_aa ATL8C7280_GENSCAN_predict	zf-c3hc4(HMM:1.9e-14)
17238	ed_peptide_1_271_aa ATL8C8546_GENSCAN_predict	zf-c3hc4(HMM:6.6e-08)
17239	ed_peptide_1_140_aa ATL8C8670_GENSCAN_predict	zf-c3hc4(HMM:1.1e-12)
17240	ed_peptide_1_258_aa ATL8C8985_GENSCAN_predict	zf-c3hc4(HMM:7e-10)
17241	ed_peptide_2_99_aa ATL8C9205_GENSCAN_predict	zf-c3hc4(HMM:7.9e-09)
17242	ed_peptide_1_223_aa ATL8C9206_GENSCAN_predict	zf-c3hc4(HMM:1.1e-08)
17243	ed_peptide_1_166_aa ATL8C949_GENSCAN_predicte	zf-c3hc4(HMM:0.0019)
17244	d_peptide_1_199_aa ATL8S10692_GENSCAN_predi	zf-c3hc4(HMM:1.6e-07)
17245	cted_peptide_1_82_aa ATL8S16102_GENSCAN_predi	zf-c3hc4(HMM:0.0023)
17246	cted_peptide_1_101_aa ATL8S16281_GENSCAN_predi	zf-c3hc4(HMM:0.0072)
17247	cted_peptide_1_86_aa ATL8S1940_GENSCAN_predict	zf-c3hc4(HMM:1.1e-05)
17248	ed_peptide_1_124_aa ATL8S19710_GENSCAN_predi	zf-c3hc4(HMM:5.3e-12)
17249	cted_peptide_1_170_aa ATL8S26009_GENSCAN_predi	zf-c3hc4(HMM:0.0016)

17250	cted_peptide_1_85_aa ATL8S5207_GENSCAN_predict	zf-c3hc4(HMM:1.5e-06)
17251	ed_peptide_1_142_aa ATL8C20407_GENSCAN_predi	zf-c3hc4(HMM:2.1e-07),zf-
17252	cted_peptide_1_394_aa ATL8C30724_GENSCAN_predi	ccch(HMM:0.032) zf-c3hc4(HMM:0.0083),zf-
17253	cted_peptide_1_378_aa ATL8C35125_GENSCAN_predi	ccch(HMM:2.1e-10) zf-c3hc4(HMM:4.6e-07),zf-
17254	cted_peptide_2_308_aa ATL8C10380_GENSCAN_predi	ccch(HMM:2.1e-07) zf-ccch(HMM:5.8e-10)
17255	cted_peptide_1_216_aa ATL8C14994_GENSCAN_predi	zf-ccch(HMM:2.4e-20)
17256	cted_peptide_1_452_aa ATL8C16403_GENSCAN_predi	zf-ccch(HMM:0.0033)
17257	cted_peptide_1_397_aa ATL8C22058_GENSCAN_predi	zf-ccch(HMM:0.0067)
17258	cted_peptide_1_54_aa ATL8C2339_GENSCAN_predict	zf-ccch(HMM:0.0015)
17259	ed_peptide_1_159_aa ATL8C2965_GENSCAN_predict	zf-ccch(HMM:3.5e-07)
17260	ed_peptide_1_160_aa ATL8C32403_GENSCAN_predi	zf-ccch(HMM:6.5e-05)
17261	cted_peptide_1_144_aa ATL8C34201_GENSCAN_predi	zf-ccch(HMM:0.0079)
17262	cted_peptide_1_278_aa ATL8C35150_GENSCAN_predi	zf-ccch(HMM:0.0078)
17263	cted_peptide_1_130_aa ATL8C36239_GENSCAN_predi	zf-ccch(HMM:0.043)
17264	cted_peptide_2_720_aa ATL8C39223_GENSCAN_predi	zf-ccch(HMM:0.017)
17265	cted_peptide_1_68_aa ATL8C4098_GENSCAN_predict	zf-ccch(HMM:0.00014)
17266	ed_peptide_1_317_aa ATL8C45116_GENSCAN_predi	zf-ccch(HMM:0.0003)
17267	cted_peptide_1_93_aa ATL8C4540_GENSCAN_predict	zf-ccch(HMM:3.1e-24)
17268	ed_peptide_1_384_aa ATL8C45666_GENSCAN_predi	zf-ccch(HMM:1e-10)
17269	cted_peptide_1_190_aa ATL8C46093_GENSCAN_predi	zf-ccch(HMM:0.0014)
17270	cted_peptide_1_277_aa ATL8C47087_GENSCAN_predi	zf-ccch(HMM:0.00051)
17271	cted_peptide_1_262_aa ATL8C48660_GENSCAN_predi	zf-ccch(HMM:0.0055)
17272	cted_peptide_1_151_aa ATL8C48934_GENSCAN_predi	zf-ccch(HMM:1.5e-13)
17273	cted_peptide_1_336_aa ATL8C903_GENSCAN_predicte	zf-ccch(HMM:7.8e-19)
17274	d_peptide_1_251_aa ATL8C9324_GENSCAN_predict	zf-ccch(HMM:2.6e-09)
17275	ed_peptide_1_283_aa ATL8S23811_GENSCAN_predi	zf-ccch(HMM:6.8e-05)
17276	cted_peptide_1_105_aa ATL8S9288_GENSCAN_predict	zf-ccch(HMM:0.032)

17277	ed_peptide_1_102_aa ATL8C20228_GENSCAN_predi	zf-constans(HMM:4.8)
17278	cted_peptide_1_80_aa ATL8C44589_GENSCAN_predi	zf-constans(HMM:3e-10)
17279	cted_peptide_2_225_aa ATL8C4639_GENSCAN_predict	zf-constans(HMM:3.8e-15)
17280	ed_peptide_1_166_aa ATL8C47097_GENSCAN_predi	zf-constans(HMM:3.2e-17)
17281	cted_peptide_1_64_aa ATL8C18816_GENSCAN_predi	zf-mynd(HMM:6.1e-05)
17282	cted_peptide_1_385_aa ATL8C3410_GENSCAN_predict	zf-mynd(HMM:0.0055)
17283	ed_peptide_1_269_aa ATL8C4203_GENSCAN_predict	zf-mynd(HMM:0.34)
17284	ed_peptide_1_365_aa ATL8C42164_GENSCAN_predi	zf-mynd(HMM:2.5e-16)
17285	cted_peptide_1_243_aa ATL8C7875_GENSCAN_predict	zf-nf-x1(HMM:1.4e-10)
17286	ed_peptide_1_654_aa ATL8C14433_GENSCAN_predi	zz(HMM:1e-07)
17287	cted_peptide_1_3271_aa ATL8C33755_GENSCAN_predi	zz(HMM:1.5e-15)
17288	cted_peptide_1_322_aa ATL8C36482_GENSCAN_predi	zz(HMM:7.3e-17)
17289	cted_peptide_1_135_aa ATL8C36506_GENSCAN_predi	zz(HMM:0.024)
17290	cted_peptide_1_333_aa ATL8C37446_GENSCAN_predi	zz(HMM:3.1e-08)
17291	cted_peptide_1_173_aa ATL8C49605_GENSCAN_predi	zz(HMM:2.2e-18)
	cted_peptide_1_901_aa	

Table 11 Nucleic acid sequences encoding transcription factors from rice

SEQ NUM	SEQ ID	Family/Method/E-value
17292	OJ000110_02.0330.C79.p1.gs	14-3-3(HMM:0.0029)
17293	OJ000110_02.0330.C80.p1.gs	14-3-3(HMM:3.1e-09)
17294	OJ000110_02.0426.C79.p1.gs	14-3-3(HMM:0.0029)
17295	OJ000110_02.0426.C80.p1.gs	14-3-3(HMM:3.1e-09)
17296	OJ000112_18.0224.C2.p5.gs	14-3-3(HMM:4.3e-178)
17297	OJ000112_18.0426.C2.p5.gs	14-3-3(HMM:4.3e-178)
17298	OJ000113_01.0331.C3.p2.gs	14-3-3(HMM:1.2e-16)
17299	OJ000113_01.0426.C3.p2.gs	14-3-3(HMM:1.2e-16)
17300	OJ000250_48.0211.C7.p2.gs	14-3-3(HMM:2.1e-134)
17301	OJ990412_09.9923.C13.p1.gs	14-3-3(HMM:1.1e-167)
17302	OJ990429_08.9C23.C17.p7.gs	14-3-3(HMM:7.4e-09)
17303	OJ990518_02.9B16.C45.p1.gs	14-3-3(HMM:1.6e-28)
17304	OJ990518_02.9B16.C47.p1.gs	14-3-3(HMM:0.00077)
17305	OJ990518_02.9B16.C48.p1.gs	14-3-3(HMM:2.6e-11)
17306	OJ990615_05.9C14.C20.p1.gs	14-3-3(HMM:5.5e-42)
17307	OJ990615_05.9C14.C21.p1.gs	14-3-3(HMM:3e-31)
17308	OJ990615_06.9926.C26.p1.gs	14-3-3(HMM:1.5e-35)
17309	OJ990709_02.0207.C11.p4.gs	14-3-3(HMM:5.8e-170)
17310	OJ990729_13.9A05.C1.p8.gs	14-3-3(HMM:4.3e-178)
17311	OJ990803_09.9B05.C2.p2.gs	14-3-3(HMM:6.1e-181)
17312	OJ991108_17.0417.C36.p1.gs	14-3-3(HMM:8.6e-94)
17313	OJ991108_19.0419.C55.p1.gs	14-3-3(HMM:7.4e-29)
17314	OJ991118_17.0421.C10.p2.gs	14-3-3(HMM:2.7e-10)
17315	OJ991118_17.9C22.C10.p2.gs	14-3-3(HMM:2.7e-10)
17316	OJ991206_14.0215.C3.p1.gs	14-3-3(HMM:7.4e-09)
17317	OJ000105_16.0204.C22.p1.gs	ank(HMM:2.4e-05)
17318	OJ000105_16.0426.C22.p1.gs	ank(HMM:2.4e-05)
17319	OJ000106_08.0222.C34.p3.gs	ank(HMM:7.9e-11)
17320	OJ000106_08.0222.C34.p4.gs	ank(HMM:3.4e-08)
17321	OJ000106_08.0222.C36.p1.gs	ank(HMM:8.7e-14)
17322	OJ000106_08.0222.C36.p3.gs	ank(HMM:8.7e-11)
17323	OJ000106_08.0222.C37.p1.gs	ank(HMM:2.6e-18)
17324	OJ000106_08.0317.C12.p1.gs	ank(HMM:3.4e-08)
17325	OJ000106_08.0317.C12.p2.gs	ank(HMM:7.9e-11)
17326	OJ000106_08.0317.C8.p3.gs	ank(HMM:2.6e-18)
17327	OJ000106_08.0317.C9.p2.gs	ank(HMM:8.7e-11)
17328	OJ000106_08.0317.C9.p4.gs	ank(HMM:8.7e-14)
17329	OJ000106_08.0426.C12.p1.gs	ank(HMM:3.4e-08)
17330	OJ000106_08.0426.C12.p2.gs	ank(HMM:7.9e-11)
17331	OJ000106_08.0426.C8.p3.gs	ank(HMM:2.6e-18)
17332	OJ000106_08.0426.C9.p2.gs	ank(HMM:8.7e-11)
17333	OJ000106_08.0426.C9.p4.gs	ank(HMM:8.7e-14)
17334	OJ000107_10.0215.C31.p1.gs	ank(HMM:1.1e-23)
17335	OJ000107_10.0215.C6.p2.gs	ank(HMM:8.4e-22)
17336	OJ000107_10.0426.C31.p1.gs	ank(HMM:1.1e-23)
17337	OJ000107_10.0426.C6.p2.gs	ank(HMM:8.4e-22)
17338	OJ000112_15.0214.C8.p3.gs	ank(HMM:3.9e-26)
17339	OJ000112_15.0310.C8.p3.gs	ank(HMM:3.9e-26)
17340	OJ000112_15.0426.C8.p3.gs	ank(HMM:3.9e-26)
17341	OJ000112_19.0225.C8.p1.gs	ank(HMM:0.036)
17342	OJ000113_02.0211.C3.p4.gs	ank(HMM:4.7e-06)
17343	OJ000113_02.0426.C3.p4.gs	ank(HMM:4.7e-06)

17452	OJ990519_26.9C03.C5.p3.gs	ank(HMM:6e-32)
17453	OJ990519_29.9B05.C1.p8.gs	ank(HMM:1.1e-10)
17454	OJ990527_03.9C03.C37.p1.gs	ank(HMM:1.2e-06)
17455	OJ990527_03.9C03.C39.p1.gs	ank(HMM:2.7e-11)
17456	OJ990527_04.9C17.C7.p1.gs	ank(HMM:1.1e-12)
17457	OJ990530_44.9819.C1.p3.gs	ank(HMM:2.7e-15)
17458	OJ990531_43.9C03.C8.p1.gs	ank(HMM:1.6e-17)
17459	OJ990617_03.9922.C3.p2.gs	ank(HMM:0.025)
17460	OJ990618_03.9B19.C17.p1.gs	ank(HMM:4.7e-13)
17461	OJ990619_45.9C20.C2.p1.gs	ank(HMM:9.6e-26)
17462	OJ990626_40.0211.C20.p1.gs	ank(HMM:4.8e-25)
17463	OJ990630_04.9C01.C12.p2.gs	ank(HMM:1.1e-17)
17464	OJ990703_47.9C16.C4.p7.gs	ank(HMM:1.1e-23)
17465	OJ990703_47.9C16.C6.p1.gs	ank(HMM:6e-07)
17466	OJ990706_01.9921.C42.p1.gs	ank(HMM:1.2e-06)
17467	OJ990706_01.9921.C9.p1.gs	ank(HMM:6.6e-09)
17468	OJ990709_01.9919.C8.p1.gs	ank(HMM:3.5e-12)
17469	OJ990709_12.9A11.C7.p1.gs	ank(HMM:1.4e-08)
17470	OJ990721_03.9C10.C7.p2.gs	ank(HMM:8.7e-09)
17471	OJ990722_13.9C03.C6.p1.gs	ank(HMM:1.9e-23)
17472	OJ990728_03.9C13.C20.p1.gs	ank(HMM:3.4e-10)
17473	OJ990807_31.0419.C5.p1.gs	ank(HMM:9e-11)
17474	OJ990807_32.0211.C7.p3.gs	ank(HMM:1.5e-47)
17475	OJ990810_05.9B08.C10.p1.gs	ank(HMM:4.8e-24)
17476	OJ990810_05.9B08.C19.p1.gs	ank(HMM:5.6e-06)
17477	OJ990810_05.9B08.C2.p1.gs	ank(HMM:1.4e-11)
17478	OJ990810_05.9B08.C4.p1.gs	ank(HMM:0.00084)
17479	OJ990815_36.9B15.C2.p3.gs	ank(HMM:1.3e-16)
17480	OJ990817_07.9A01.C3.p3.gs	ank(HMM:6e-32)
17481	OJ990827_09.0103.C18.p1.gs	ank(HMM:6.3e-08)
17482	OJ990913_16.0421.C8.p1.gs	ank(HMM:4.8e-20)
17483	OJ990923_05.9B16.C2.p3.gs	ank(HMM:2.2e-19)
17484	OJ991001_03.0107.C5.p1.gs	ank(HMM:3.1e-14)
17485	OJ991007_03.0421.C3.p4.gs	ank(HMM:1.1e-17)
17486	OJ991007_03.9C27.C3.p4.gs	ank(HMM:1.1e-17)
17487	OJ991008_18.0106.C10.p2.gs	ank(HMM:0.0002)
17488	OJ991008_18.0106.C12.p1.gs	ank(HMM:3.4e-08)
17489	OJ991008_18.0106.C12.p2.gs	ank(HMM:1.4e-10)
17490	OJ991014_02.0110.C52.p1.gs	ank(HMM:0.11)
17491	OJ991019_09.0211.C10.p2.gs	ank(HMM:1.6e-50)
17492	OJ991020_16.0218.C2.p2.gs	ank(HMM:6e-30)
17493	OJ991021_06.0218.C10.p2.gs	ank(HMM:3.8e-21)
17494	OJ991022_08.0308.C34.p1.gs	ank(HMM:1.9e-36)
17495	OJ991022_14.0119.C16.p3.gs	ank(HMM:2.6e-15)
17496	OJ991022_14.0119.C6.p3.gs	ank(HMM:1.7e-40)
17497	OJ991022_14.0119.C7.p1.gs	ank(HMM:9.1e-12)
17498	OJ991022_14.0119.C9.p3.gs	ank(HMM:2.2e-42)
17499	OJ991026_09.0222.C19.p1.gs	ank(HMM:3e-06)
17500	OJ991027_15.0118.C9.p4.gs	ank(HMM:1.9e-23)
17501	OJ991027_15.0303.C7.p4.gs	ank(HMM:1.9e-23)
17502	OJ991027_17.0118.C20.p4.gs	ank(HMM:8.7e-09)
17503	OJ991029_14.0229.C25.p2.gs	ank(HMM:5.9e-06)
17504	OJ991029_14.0229.C31.p1.gs	ank(HMM:2.7e-05)
17505	OJ991101_03.0218.C10.p1.gs	ank(HMM:0.025)

17506	OJ991107_37.0113.C73.p3.gs	ank(HMM:3e-06)
17507	OJ991107_37.0421.C73.p3.gs	ank(HMM:3e-06)
17508	OJ991107_39.9C17.C9.p1.gs	ank(HMM:8.7e-21)
17509	OJ991110_01.0218.C15.p1.gs	ank(HMM:8.7e-10)
17510	OJ991110_01.0218.C16.p2.gs	ank(HMM:1.3e-09)
17511	OJ991110_02.0225.C4.p2.gs	ank(HMM:2.2e-19)
17512	OJ991110_06.0330.C4.p1.gs	ank(HMM:6e-32)
17513	OJ991110_06.0330.C4.p4.gs	ank(HMM:3.1e-14)
17514	OJ991112_18.0419.C1.p1.gs	ank(HMM:0.0002)
17515	OJ991112_18.0419.C2.p2.gs	ank(HMM:1.5e-10)
17516	OJ991112_18.0419.C34.p1.gs	ank(HMM:4e-10)
17517	OJ991112_18.0419.C43.p1.gs	ank(HMM:0.019)
17518	OJ991117_10.0421.C10.p3.gs	ank(HMM:3.6e-19)
17519	OJ991117_10.9C21.C9.p3.gs	ank(HMM:3.6e-19)
17520	OJ991122_09.0330.C21.p1.gs	ank(HMM:1.1e-17)
17521	OJ991122_10.0419.C43.p3.gs	ank(HMM:3.4e-22)
17522	OJ991208_04.0128.C3.p1.gs	ank(HMM:9.1e-10)
17523	OJ991209_10.0119.C14.p3.gs	ank(HMM:2e-41)
17524	OJ991209_13.0301.C3.p10.gs	ank(HMM:2.9e-05)
17525	OJ991209_15.0222.C1.p2.gs	ank(HMM:6e-23)
17526	OJ991210_01.0110.C4.p6.gs	ank(HMM:1.4e-17)
17527	OJ991210_06.0110.C7.p1.gs	ank(HMM:0.0011)
17528	OJ991214_16.0111.C6.p1.gs	ank(HMM:9.2e-34)
17529	OJ991217_08.0202.C5.p2.gs	ank(HMM:3.7e-19)
17530	OJ991217_20.0218.C15.p1.gs	ank(HMM:0.24)
17531	OJ991225_73.0317.C13.p1.gs	ank(HMM:5.8e-24)
17532	OJ991226_50.0317.C3.p2.gs	ank(HMM:2.7e-25)
17533	OJ000150_05.0124.C10.p3.gs	ank(HMM:1.5e-12),btb(HMM:8.5e-15)
17534	OJ000150_05.0421.C9.p3.gs	ank(HMM:1.5e-12),btb(HMM:8.5e-15)
17535	OJ000303_05.0410.C4.p3.gs	ank(HMM:3.5e-12),btb(HMM:0.001)
17536	OJ990410_27.9922.C7.p5.gs	ank(HMM:2.2e-17),chromo(HMM:7.3e-07)
17537	OJ000302_08.0410.C6.p1.gs	ank(HMM:0.18),sbpb(HMM:1.3e-11)
17538	OJ000118_13.0419.C26.p1.gs	ank(HMM:6.5e-29),zf-c3hc4(HMM:1.4e-11)
17539	OJ000315_06.0413.C19.p2.gs	ank(HMM:2e-24),zf-c3hc4(HMM:0.008)
17540	OJ000315_06.0420.C6.p2.gs	ank(HMM:2e-24),zf-c3hc4(HMM:0.008)
17541	OJ991112_11.0421.C4.p2.gs	ank(HMM:6.1e-37),zf-c3hc4(HMM:0.068)
17542	OJ991112_11.9C22.C4.p2.gs	ank(HMM:6.1e-37),zf-c3hc4(HMM:0.068)
17543	OJ990517_24.9A01.C42.p2.gs	ank(HMM:0.0016),zf-ccch(HMM:0.065)
17544	OJ990630_02.9C01.C11.p3.gs	ank(HMM:3.9e-12),zf-ccch(HMM:0.0075)
17545	OJ990830_12.9C03.C1.p1.gs	ank(HMM:1.2e-06),zf-ccch(HMM:0.073)
17546	OJ991014_01.0111.C15.p2.gs	ank(HMM:3.9e-12),zf-

17599	OJ000223_19.0403.C3.p1.gs	ap2-domain(HMM:1.8e-61)
17600	OJ000224_06.0317.C7.p2.gs	ap2-domain(HMM:2.3e-13)
17601	OJ000229_21.0410.C9.p5.gs	ap2-domain(HMM:1.4e-39)
17602	OJ000250_25.0225.C5.p2.gs	ap2-domain(HMM:4.8e-47)
17603	OJ000250_46.0211.C6.p2.gs	ap2-domain(HMM:1.3e-41)
17604	OJ000250_46.0211.C8.p4.gs	ap2-domain(HMM:1.6e-40)
17605	OJ000250_46.0303.C2.p8.gs	ap2-domain(HMM:1.3e-41)
17606	OJ000250_46.0303.C3.p4.gs	ap2-domain(HMM:1.6e-40)
17607	OJ000250_63.0419.C52.p1.gs	ap2-domain(HMM:0.00083)
17608	OJ000251_21.0218.C2.p7.gs	ap2-domain(HMM:0.00077)
17609	OJ000251_37.0315.C44.p4.gs	ap2-domain(HMM:1e-13)
17610	OJ000251_47.0320.C3.p2.gs	ap2-domain(HMM:5.9e-36)
17611	OJ000251_51.0217.C4.p5.gs	ap2-domain(HMM:6.4e-31)
17612	OJ000251_51.0217.C7.p1.gs	ap2-domain(HMM:1.3e-41)
17613	OJ000301_28.0330.C2.p1.gs	ap2-domain(HMM:0.00035)
17614	OJ000306_03.0419.C30.p2.gs	ap2-domain(HMM:1.4e-15)
17615	OJ000307_07.0330.C2.p3.gs	ap2-domain(HMM:2e-31)
17616	OJ000307_07.0330.C7.p1.gs	ap2-domain(HMM:5.9e-29)
17617	OJ000308_06.0328.C6.p3.gs	ap2-domain(HMM:2e-31)
17618	OJ000308_06.0328.C8.p2.gs	ap2-domain(HMM:5.9e-29)
17619	OJ000310_09.0419.C18.p1.gs	ap2-domain(HMM:5.4e-05)
17620	OJ000310_12.0419.C31.p1.gs	ap2-domain(HMM:2.4e-38)
17621	OJ000313_05.0419.C57.p1.gs	ap2-domain(HMM:9e-20)
17622	OJ000313_26.0407.C2.p2.gs	ap2-domain(HMM:9.7e-37)
17623	OJ000313_26.0420.C8.p2.gs	ap2-domain(HMM:9.7e-37)
17624	OJ000314_13.0417.C16.p2.gs	ap2-domain(HMM:1.6e-39)
17625	OJ000314_33.0419.C14.p2.gs	ap2-domain(HMM:4e-26)
17626	OJ000315_12.0412.C3.p3.gs	ap2-domain(HMM:1.7e-39)
17627	OJ000315_21.0405.C6.p1.gs	ap2-domain(HMM:8.3e-36)
17628	OJ000315_21.0420.C4.p1.gs	ap2-domain(HMM:8.3e-36)
17629	OJ000315_30.0419.C7.p2.gs	ap2-domain(HMM:8.9e-52)
17630	OJ000315_36.0412.C18.p2.gs	ap2-domain(HMM:8.3e-40)
17631	OJ000316_01.0413.C7.p1.gs	ap2-domain(HMM:0.013)
17632	OJ000316_20.0418.C14.p4.gs	ap2-domain(HMM:8.5e-38)
17633	OJ000316_20.0418.C4.p2.gs	ap2-domain(HMM:4.8e-32)
17634	OJ000316_22.0419.C44.p2.gs	ap2-domain(HMM:2.8e-06)
17635	OJ000320_07.0419.C10.p2.gs	ap2-domain(HMM:2.3e-20)
17636	OJ000320_33.0412.C12.p4.gs	ap2-domain(HMM:2.7e-31)
17637	OJ000321_04.0419.C27.p2.gs	ap2-domain(HMM:2.9e-31)
17638	OJ000321_31.0411.C6.p5.gs	ap2-domain(HMM:5.9e-36)
17639	OJ000321_39.0417.C1.p1.gs	ap2-domain(HMM:1.4e-39)
17640	OJ000323_38.0418.C7.p2.gs	ap2-domain(HMM:3.9e-40)
17641	OJ000327_04.0419.C7.p2.gs	ap2-domain(HMM:1.5e-33)
17642	OJ000327_28.0417.C1.p1.gs	ap2-domain(HMM:0.037)
17643	OJ000327_36.0418.C7.p3.gs	ap2-domain(HMM:3.3e-32)
17644	OJ000328_19.0419.C3.p1.gs	ap2-domain(HMM:3.4e-29)
17645	OJ000329_02.0418.C9.p1.gs	ap2-domain(HMM:3.3e-32)
17646	OJ000350_31.0315.C17.p2.gs	ap2-domain(HMM:2e-32)
17647	OJ000350_31.0315.C17.p4.gs	ap2-domain(HMM:4.6e-33)
17648	OJ000404_28.0424.C21.p1.gs	ap2-domain(HMM:0.028)
17649	OJ000404_40.0419.C37.p1.gs	ap2-domain(HMM:3e-11)
17650	OJ000450_01.0419.C20.p1.gs	ap2-domain(HMM:3.3e-28)
17651	OJ000450_02.0417.C16.p1.gs	ap2-domain(HMM:1.3e-45)
17652	OJ000450_08.0414.C14.p3.gs	ap2-domain(HMM:4.2e-28)

17653	OJ000450_10.0411.C3.p3.gs	ap2-domain(HMM:2e-31)
17654	OJ000450_10.0411.C3.p9.gs	ap2-domain(HMM:5.9e-29)
17655	OJ990222_08.0420.C14.p1.gs	ap2-domain(HMM:1e-34)
17656	OJ990222_08.9819.C24.p1.gs	ap2-domain(HMM:1e-34)
17657	OJ990324_03.0419.C24.p1.gs	ap2-domain(HMM:0.00015)
17658	OJ990324_03.0419.C60.p1.gs	ap2-domain(HMM:1.2e-10)
17659	OJ990325_01.9C03.C29.p1.gs	ap2-domain(HMM:1.4e-15)
17660	OJ990325_04.0114.C8.p2.gs	ap2-domain(HMM:2e-31)
17661	OJ990405_01.9A01.C13.p1.gs	ap2-domain(HMM:8.4e-22)
17662	OJ990414_09.9922.C36.p1.gs	ap2-domain(HMM:3.6e-44)
17663	OJ990428_02.9A29.C15.p2.gs	ap2-domain(HMM:3.3e-32)
17664	OJ990430_35.9922.C9.p3.gs	ap2-domain(HMM:1.1e-22)
17665	OJ990501_20.9819.C16.p2.gs	ap2-domain(HMM:7.1e-38)
17666	OJ990501_21.9922.C6.p2.gs	ap2-domain(HMM:2.8e-27)
17667	OJ990501_23.9C03.C4.p3.gs	ap2-domain(HMM:3.9e-41)
17668	OJ990503_06.9C10.C45.p1.gs	ap2-domain(HMM:1.5e-33)
17669	OJ990504_06.9C17.C2.p1.gs	ap2-domain(HMM:2.2e-38)
17670	OJ990505_05.9A11.C31.p5.gs	ap2-domain(HMM:0.00083)
17671	OJ990531_32.9A01.C10.p2.gs	ap2-domain(HMM:6.7e-35)
17672	OJ990612_35.0103.C6.p1.gs	ap2-domain(HMM:8.1e-40)
17673	OJ990626_41.9B16.C3.p2.gs	ap2-domain(HMM:1.9e-27)
17674	OJ990626_41.9B16.C5.p2.gs	ap2-domain(HMM:1.6e-20)
17675	OJ990713_02.9C10.C4.p1.gs	ap2-domain(HMM:1.4e-38)
17676	OJ990721_10.0211.C12.p1.gs	ap2-domain(HMM:0.24)
17677	OJ990804_05.9B12.C22.p2.gs	ap2-domain(HMM:0.34)
17678	OJ990807_34.9C17.C39.p1.gs	ap2-domain(HMM:0.9)
17679	OJ990816_07.0225.C11.p1.gs	ap2-domain(HMM:8)
17680	OJ990816_07.0225.C5.p2.gs	ap2-domain(HMM:7.6)
17681	OJ990818_13.0217.C16.p1.gs	ap2-domain(HMM:5e-34)
17682	OJ990818_13.0317.C26.p1.gs	ap2-domain(HMM:5e-34)
17683	OJ990819_11.9C17.C35.p1.gs	ap2-domain(HMM:0.0028)
17684	OJ990823_02.9B15.C13.p2.gs	ap2-domain(HMM:0.00035)
17685	OJ990830_09.9C23.C19.p3.gs	ap2-domain(HMM:2.3e-25)
17686	OJ990914_01.9B05.C7.p1.gs	ap2-domain(HMM:6.8e-12)
17687	OJ990914_16.0207.C6.p3.gs	ap2-domain(HMM:1.6e-20)
17688	OJ990915_04.9B04.C10.p2.gs	ap2-domain(HMM:1.1e-13)
17689	OJ990924_06.9C01.C14.p1.gs	ap2-domain(HMM:1.6e-40)
17690	OJ990927_04.9B22.C8.p2.gs	ap2-domain(HMM:6.9e-41)
17691	OJ991001_01.0119.C11.p1.gs	ap2-domain(HMM:3.9e-40)
17692	OJ991021_11.0218.C9.p2.gs	ap2-domain(HMM:8.6e-53)
17693	OJ991026_16.0118.C14.p1.gs	ap2-domain(HMM:1.4e-36)
17694	OJ991107_31.0204.C9.p2.gs	ap2-domain(HMM:2.6e-40)
17695	OJ991107_41.0128.C4.p3.gs	ap2-domain(HMM:0.00037)
17696	OJ991109_11.0207.C12.p1.gs	ap2-domain(HMM:2.7e-22)
17697	OJ991112_01.0403.C16.p5.gs	ap2-domain(HMM:1.6e-54)
17698	OJ991112_15.0104.C17.p2.gs	ap2-domain(HMM:1.4e-36)
17699	OJ991113_39.0419.C11.p1.gs	ap2-domain(HMM:8e-17)
17700	OJ991114_41.9C06.C3.p2.gs	ap2-domain(HMM:1.8e-37)
17701	OJ991114_43.9C08.C4.p1.gs	ap2-domain(HMM:0.34)
17702	OJ991114_45.0419.C94.p1.gs	ap2-domain(HMM:1.9e-11)
17703	OJ991116_02.0215.C7.p1.gs	ap2-domain(HMM:3.8e-34)
17704	OJ991117_12.0421.C16.p4.gs	ap2-domain(HMM:2.5e-23)
17705	OJ991119_05.0207.C8.p2.gs	ap2-domain(HMM:6.3e-16)
17706	OJ991210_10.0110.C28.p2.gs	ap2-domain(HMM:7.1e-25)

17707	OJ991211_65.0317.C12.p2.gs	ap2-domain(HMM:0.00069)
17708	OJ991216_11.0113.C5.p4.gs	ap2-domain(HMM:0.00032)
17709	OJ991217_12.0204.C35.p1.gs	ap2-domain(HMM:0.024)
17710	OJ000103_10.0215.C11.p1.gs	ap2-domain(HMM:6.8e-26),arf(HMM:5.6),b3(HMM:4.9e-43)
17711	OJ000103_10.0426.C11.p1.gs	ap2-domain(HMM:6.8e-26),arf(HMM:5.6),b3(HMM:4.9e-43)
17712	OJ991021_17.0125.C8.p5.gs	ap2-domain(HMM:6.8e-26),arf(HMM:5.6),b3(HMM:4.9e-43)
17713	OJ000103_10.0215.C16.p1.gs	ap2-domain(HMM:1e-23),b3(HMM:4.5e-40)
17714	OJ000103_10.0426.C16.p1.gs	ap2-domain(HMM:1e-23),b3(HMM:4.5e-40)
17715	OJ991021_17.0125.C3.p4.gs	ap2-domain(HMM:1e-23),b3(HMM:4.5e-40)
17716	OJ991121_39.0229.C39.p6.gs	ap2-domain(HMM:1.4e-33),set(HMM:5.5e-07)
17717	OJ000321_21.0419.C10.p1.gs	ap2-domain(HMM:2.2e-36),zf-cchc(HMM:6e-06)
17718	OJ000310_04.0419.C36.p1.gs	arf(HMM:9e-20)
17719	OJ000330_01.0424.C5.p1.gs	arf(HMM:5.7e-09)
17720	OJ991122_05.0210.C20.p1.gs	arf(HMM:3.4e-07)
17721	OJ991122_05.0210.C25.p1.gs	arf(HMM:8.8e-07)
17722	OJ991122_05.0303.C19.p3.gs	arf(HMM:8.8e-07)
17723	OJ991122_05.0303.C23.p3.gs	arf(HMM:3.4e-07)
17724	OJ991122_05.0421.C19.p3.gs	arf(HMM:8.8e-07)
17725	OJ991122_05.0421.C23.p3.gs	arf(HMM:3.4e-07)
17726	OJ000125_05.0316.C9.p1.gs	arf(HMM:5.7e-120),b3(HMM:1.1e-43)
17727	OJ000217_13.0320.C10.p1.gs	arf(HMM:2.6e-279),b3(HMM:8.5e-49)
17728	OJ000223_03.0330.C17.p1.gs	arf(HMM:4e-21),b3(HMM:1.7e-12)
17729	OJ000250_39.0223.C7.p1.gs	arf(HMM:3.6e-15),b3(HMM:3.2e-35)
17730	OJ000302_05.0406.C12.p1.gs	arf(HMM:6.6e-165),b3(HMM:2.7e-51)
17731	OJ000310_04.0419.C16.p1.gs	arf(HMM:5.9e-52),b3(HMM:1.8e-60)
17732	OJ000320_29.0419.C32.p1.gs	arf(HMM:0.016),b3(HMM:3e-12)
17733	OJ000330_03.0419.C1.p1.gs	arf(HMM:2.4e-13),b3(HMM:0.00024)
17734	OJ000330_35.0419.C24.p1.gs	arf(HMM:2.2e-127),b3(HMM:1.1e-43)
17735	OJ000331_01.0419.C1.p2.gs	arf(HMM:6.6e-165),b3(HMM:2.7e-51)
17736	OJ000404_33.0424.C14.p1.gs	arf(HMM:4.1e-55),b3(HMM:1e-46)
17737	OJ990203_05.9819.C2.p4.gs	arf(HMM:1.2e-107),b3(HMM:8.8e-23)

17738	OJ990311_14.9819.C1.p1.gs	arf(HMM:1.3e-13),b3(HMM:0.00026)
17739	OJ990311_14.9819.C1.p2.gs	arf(HMM:9.6e-14),b3(HMM:5.8e-19)
17740	OJ990515_23.9A07.C8.p1.gs	arf(HMM:8.2e-10),b3(HMM:1.8e-10)
17741	OJ990515_23.9A07.C8.p13.gs	arf(HMM:9.4e-10),b3(HMM:3.5e-07)
17742	OJ990515_23.9A07.C8.p2.gs	arf(HMM:1.3e-13),b3(HMM:0.00026)
17743	OJ990515_23.9A07.C8.p3.gs	arf(HMM:1.3e-12),b3(HMM:3.3e-13)
17744	OJ990529_36.9A05.C5.p2.gs	arf(HMM:3.2e-14),b3(HMM:0.00036)
17745	OJ990708_04.9A01.C8.p7.gs	arf(HMM:3.3e-105),b3(HMM:1.1)
17746	OJ990713_07.0419.C6.p1.gs	arf(HMM:2.9e-134),b3(HMM:1.4e-46)
17747	OJ990730_05.9C17.C17.p1.gs	arf(HMM:4.8e-169),b3(HMM:1.8e-60)
17748	OJ990805_01.9B19.C6.p1.gs	arf(HMM:2.4e-171),b3(HMM:1.8e-60)
17749	OJ990823_06.9B03.C9.p2.gs	arf(HMM:0.068),b3(HMM:5.9e-48)
17750	OJ990920_18.9C06.C29.p1.gs	arf(HMM:0.2),b3(HMM:5.9e-48)
17751	OJ991122_05.0210.C24.p2.gs	arf(HMM:1.3e-12),b3(HMM:3.3e-13)
17752	OJ991122_05.0210.C25.p2.gs	arf(HMM:1.3e-13),b3(HMM:1.5e-18)
17753	OJ991122_05.0303.C19.p2.gs	arf(HMM:1.3e-13),b3(HMM:1.5e-18)
17754	OJ991122_05.0303.C20.p2.gs	arf(HMM:1.3e-12),b3(HMM:3.3e-13)
17755	OJ991122_05.0421.C19.p2.gs	arf(HMM:1.3e-13),b3(HMM:1.5e-18)
17756	OJ991122_05.0421.C20.p2.gs	arf(HMM:1.3e-12),b3(HMM:3.3e-13)
17757	OJ000113_08.0215.C3.p2.gs	arf(HMM:2.4e-95),b3(HMM:0.23),iaa(HMM:3.5e-11)
17758	OJ000113_08.0426.C3.p2.gs	arf(HMM:2.4e-95),b3(HMM:0.23),iaa(HMM:3.5e-11)
17759	OJ000210_11.0302.C11.p1.gs	arf(HMM:2.3e-131),b3(HMM:3.8e-16),iaa(HMM:3.3e-43)
17760	OJ000223_05.0419.C21.p1.gs	arf(HMM:3.3e-92),b3(HMM:6.7e-42),iaa(HMM:0.51)
17761	OJ000223_22.0320.C8.p1.gs	arf(HMM:5.2e-81),b3(HMM:1e-46),iaa(HMM:5.2e-09)
17762	OJ000302_20.0420.C9.p3.gs	arf(HMM:3.3e-92),b3(HMM:6.7e-42),iaa(HMM:0.21)

17763	OJ000310_06.0417.C4.p5.gs	arf(HMM:2.3e-131),b3(HMM:3.8e-16),iaa(HMM:3.3e-43)
17764	OJ990402_08.9922.C31.p3.gs	arf(HMM:3.9e-180),b3(HMM:3.4e-49),iaa(HMM:6.7e-35)
17765	OJ990605_37.9922.C3.p2.gs	arf(HMM:1.7e-158),b3(HMM:3.4e-49),iaa(HMM:6.7e-35)
17766	OJ991109_02.0118.C5.p3.gs	arf(HMM:5.7e-120),b3(HMM:1.1e-43),iaa(HMM:2.9e-14)
17767	OJ991201_03.0310.C7.p4.gs	arf(HMM:7.8e-106),b3(HMM:7e-43),iaa(HMM:9e-05)
17768	OJ991201_03.0421.C6.p5.gs	arf(HMM:3.1e-78),b3(HMM:7e-43),iaa(HMM:2)
17769	OJ991201_03.9C23.C17.p4.gs	arf(HMM:7.8e-106),b3(HMM:7e-43),iaa(HMM:9e-05)
17770	OJ000114_24.0315.C2.p1.gs	arf(HMM:2.4e-95),b3(HMM:0.23),iaa(HMM:3.5e-11),zf-cchc(HMM:0.067)
17771	OJ991208_02.0106.C5.p1.gs	arf(HMM:2.4e-95),b3(HMM:0.23),iaa(HMM:3.5e-11),zf-cchc(HMM:0.067)
17772	OJ000221_16.0403.C7.p1.gs	arid(HMM:8e-05)
17773	OJ000321_33.0424.C30.p1.gs	arid(HMM:0.058)
17774	OJ000330_02.0418.C16.p1.gs	arid(HMM:8e-05)
17775	OJ990406_07.9C10.C14.p1.gs	arid(HMM:0.058)
17776	OJ990531_39.9919.C9.p1.gs	arid(HMM:0.0082)
17777	OJ991117_07.0104.C63.p2.gs	arid(HMM:8e-05)
17778	OJ991117_07.0421.C50.p2.gs	arid(HMM:8e-05)
17779	OJ000105_19.0405.C46.p9.gs	arid(HMM:5e-14),hmg_box(HMM:6.4e-18)
17780	OJ000105_19.0426.C46.p9.gs	arid(HMM:5e-14),hmg_box(HMM:6.4e-18)
17781	OJ000150_22.0124.C89.p3.gs	athook(HMM:0.022)
17782	OJ000208_08.0321.C10.p1.gs	athook(HMM:0.01)
17783	OJ000314_07.0411.C12.p2.gs	athook(HMM:0.099)
17784	OJ000327_20.0419.C54.p1.gs	athook(HMM:0.022)
17785	OJ990406_07.9C10.C20.p4.gs	athook(HMM:0.021)
17786	OJ990502_27.9B05.C5.p3.gs	athook(HMM:0.097)
17787	OJ990531_39.9919.C7.p2.gs	athook(HMM:0.026)
17788	OJ990716_06.9819.C10.p1.gs	athook(HMM:0.0042)
17789	OJ990807_30.9A14.C3.p1.gs	athook(HMM:0.022)
17790	OJ991106_46.9C17.C4.p5.gs	athook(HMM:0.022)
17791	OJ000208_06.0424.C23.p1.gs	b3(HMM:5e-06)
17792	OJ000250_89.0214.C3.p3.gs	b3(HMM:8.7)
17793	OJ000250_89.0214.C6.p2.gs	b3(HMM:3.7e-43)
17794	OJ000301_04.0403.C43.p1.gs	b3(HMM:1.1e-11)
17795	OJ000313_32.0419.C12.p2.gs	b3(HMM:9.6e-39)
17796	OJ000350_09.0323.C8.p2.gs	b3(HMM:1.3e-40)
17797	OJ000450_17.0411.C2.p15.gs	b3(HMM:2.6e-53)

17798	OJ990401_09.9923.C9.p11.gs	b3(HMM:4.6e-06)
17799	OJ990401_09.9923.C9.p12.gs	b3(HMM:3.6e-06)
17800	OJ990527_36.9922.C4.p1.gs	b3(HMM:2.2e-65)
17801	OJ990730_02.9C10.C3.p4.gs	b3(HMM:2.2e-65)
17802	OJ990730_06.0310.C12.p1.gs	b3(HMM:2.2e-65)
17803	OJ990730_06.9921.C35.p1.gs	b3(HMM:2.2e-65)
17804	OJ990808_30.9C10.C13.p2.gs	b3(HMM:2.2e-65)
17805	OJ990823_12.9B01.C10.p1.gs	b3(HMM:2.2e-65)
17806	OJ991015_18.0315.C8.p2.gs	b3(HMM:4.6e-06)
17807	OJ991015_18.0315.C8.p3.gs	b3(HMM:3.4e-06)
17808	OJ991019_09.0211.C3.p1.gs	b3(HMM:5.9e-06)
17809	OJ991019_09.0211.C4.p1.gs	b3(HMM:3.6e-06)
17810	OJ991113_34.0421.C10.p6.gs	b3(HMM:2e-37)
17811	OJ991113_34.9C27.C28.p1.gs	b3(HMM:2e-37)
17812	OJ991122_05.0210.C19.p1.gs	b3(HMM:0.0063)
17813	OJ991122_05.0303.C24.p1.gs	b3(HMM:0.0058)
17814	OJ991122_05.0421.C24.p1.gs	b3(HMM:0.0058)
17815	OJ991215_14.0211.C13.p1.gs	b3(HMM:8.8e-48)
17816	OJ000112_18.0224.C2.p9.gs	bah(HMM:0.0043)
17817	OJ000112_18.0426.C2.p9.gs	bah(HMM:0.0043)
17818	OJ000150_00.0124.C60.p1.gs	bah(HMM:7.5e-82)
17819	OJ000250_16.0419.C8.p5.gs	bah(HMM:1.2)
17820	OJ000301_25.0410.C6.p1.gs	bah(HMM:0.0028)
17821	OJ000314_14.0419.C17.p1.gs	bah(HMM:0.058)
17822	OJ000322_16.0413.C6.p1.gs	bah(HMM:0.078)
17823	OJ000322_16.0413.C9.p1.gs	bah(HMM:0.0031)
17824	OJ000324_01.0424.C39.p1.gs	bah(HMM:0.14)
17825	OJ000324_08.0419.C30.p1.gs	bah(HMM:1.7e-06)
17826	OJ990311_14.9819.C1.p4.gs	bah(HMM:2.9e-84)
17827	OJ990323_15.9A11.C2.p1.gs	bah(HMM:7.5e-82)
17828	OJ990330_05.9819.C89.p1.gs	bah(HMM:0.014)
17829	OJ990515_23.9A07.C6.p1.gs	bah(HMM:2.4e-12)
17830	OJ990528_11.9A03.C13.p2.gs	bah(HMM:0.38)
17831	OJ990528_11.9A03.C69.p1.gs	bah(HMM:0.0028)
17832	OJ990620_35.0114.C2.p1.gs	bah(HMM:0.051)
17833	OJ990729_13.9A05.C3.p1.gs	bah(HMM:0.051)
17834	OJ991114_37.0128.C18.p1.gs	bah(HMM:0.16)
17835	OJ991122_05.0210.C27.p1.gs	bah(HMM:1e-38)
17836	OJ991122_05.0303.C17.p1.gs	bah(HMM:1.9e-41)
17837	OJ991122_05.0421.C17.p1.gs	bah(HMM:1.9e-41)
17838	OJ991215_09.0118.C4.p1.gs	bah(HMM:0.029)
17839	OJ990323_15.9A11.C5.p6.gs	bah(HMM:3.5e-29),phd(HMM:3.3e-14)
17840	OJ990817_03.0218.C5.p3.gs	bah(HMM:1.6e-36),phd(HMM:4.7e-13)
17841	OJ990923_15.9C01.C7.p5.gs	bah(HMM:1.6e-36),phd(HMM:4.7e-13)
17842	OJ991109_09.0421.C1.p4.gs	bah(HMM:0.19),phd(HMM:2.4e-09)
17843	OJ991109_09.9C22.C1.p4.gs	bah(HMM:0.19),phd(HMM:2.4e-09)
17844	OJ991110_09.0222.C14.p3.gs	bah(HMM:0.19),phd(HMM:2.4e-09)
17845	OJ991121_47.9C30.C7.p2.gs	bah(HMM:1.1e-

17846	OJ991208_20.0406.C14.p1.gs	22),phd(HMM:2.4e-09) bah(HMM:2.1e-28),phd(HMM:3.3e-14)
17847	OJ991216_14.0114.C7.p2.gs	bah(HMM:1.6e-36),phd(HMM:4.7e-13)
17848	OJ990419_08.9923.C13.p1.gs	bpf-1(HMM:0.0033)
17849	OJ990419_08.9923.C14.p1.gs	bpf-1(HMM:1.1e-20)
17850	OJ990822_48.0106.C2.p3.gs	bpf-1(HMM:8.9e-10)
17851	OJ000111_15.0217.C3.p2.gs	bromodomain(HMM:7e-26)
17852	OJ000111_15.0426.C3.p2.gs	bromodomain(HMM:7e-26)
17853	OJ000111_17.0229.C13.p1.gs	bromodomain(HMM:0.00018)
17854	OJ000111_17.0229.C25.p1.gs	bromodomain(HMM:1.8e-26)
17855	OJ000111_17.0426.C13.p1.gs	bromodomain(HMM:0.00018)
17856	OJ000111_17.0426.C25.p1.gs	bromodomain(HMM:1.8e-26)
17857	OJ000117_11.0223.C23.p2.gs	bromodomain(HMM:2.1e-19)
17858	OJ000117_11.0223.C9.p1.gs	bromodomain(HMM:1.5e-20)
17859	OJ000117_15.0207.C5.p2.gs	bromodomain(HMM:1.1e-28)
17860	OJ000118_14.0228.C8.p4.gs	bromodomain(HMM:2.7e-32)
17861	OJ000118_14.0331.C7.p4.gs	bromodomain(HMM:2.7e-32)
17862	OJ000207_19.0316.C4.p2.gs	bromodomain(HMM:5.6e-27)
17863	OJC	1:3.4e-27)
17864	OJG	1:4.3e-17)
17865	OJ000250_57.0214.C1.p1.gs	bromodomain(HMM:7.5e-29)
17866	OJ000250_57.0310.C1.p1.gs	bromodomain(HMM:7.5e-29)
17867	OJ000301_08.0407.C2.p4.gs	bromodomain(HMM:1.9e-23)
17868	OJ000307_02.0331	bromodomain(HMM:4.3e-17)
17869	OJ000316_22.041	bromodomain(HMM:3.9e-05)
17870	OJ000321_05.04	1:7.5e-29)
17871	OJ000327_18.0420.C8.p1.gs	1:6.1e-05)
17872	OJ000331_17.0424.C14.p1.gs	1:7.5e-29)
17873	OJ000331_17.0426.C13.p1.gs	bromodomain(HMM:7.5e-29)
17874	OJ990211_02.9819.C35.p1.gs	bromodomain(HMM:4.2e-33)
17875	OJ990211_03.9819.C29.p2.gs	bromodomain(HMM:4.2e-33)
17876	OJ990410_27.9922.C4.p2.gs	bromodomain(HMM:1.5e-23)
17877	OJ990415_01.9922.C1.p1.gs	bromodomain(HMM:1.8)
17878	OJ990415_01.9922.C13.p1.gs	bromodomain(HMM:7.5e-29)
17879	OJ990416_02.9923.C7.p6.gs	bromodomain(HMM:7.5e-29)
17880	OJ990416_05.9A01.C6.p1.gs	bromodomain(HMM:0.16)
17881	OJ990416_06.9819.C32.p6.gs	bromodomain(HMM:4.3e-17)
17882	OJ990524_13.0103.C5.p2.gs	bromodomain(HMM:1.3e-29)
17883	OJ990602_04.0103.C15.p1.gs	bromodomain(HMM:6.1e-05)
17884	OJ990903_13.0225.C11.p1.gs	bromodomain(HMM:1.3e-29)
17885	OJ990923_05.9B16.C7.p6.gs	bromodomain(HMM:4.3e-17)
17886	OJ991021_06.0218.C10.p3.gs	bromodomain(HMM:4.2e-33)
17887	OJ991028_16.0225.C2.p1.gs	bromodomain(HMM:0.33)
17888	OJ991121_46.9C13.C3.p1.gs	bromodomain(HMM:1.1e-28)
17889	OJ991214_16.0111.C11.p6.gs	bromodomain(HMM:1.9e-23)
17890	OJ991216_04.0316.C15.p1.gs	bromodomain(HMM:6.8e-05)
17891	OJ991226_50.0317.C3.p3.gs	bromodomain(HMM:4.2e-33)
17892	OJ000322_14.0424.C8.p3.gs	btb(HMM:0.00017),dptb(HMM:6.9e-05)
17893	OJ000102_54.0426.C53.p1.gs	bzip(HMM:6.2e-14)
17894	OJ000106_07.0222.C7.p2.gs	bzip(HMM:2e-22)
17895	OJ000106_07.0310.C11.p2.gs	bzip(HMM:2e-22)

17896	OJ000106_07.0426.C11.p2.gs	bzip(HMM:2e-22)
17897	OJ000106_16.0207.C26.p2.gs	bzip(HMM:1.5e-18)
17898	OJ000106_16.0426.C26.p2.gs	bzip(HMM:1.5e-18)
17899	OJ000110_04.0426.C37.p1.gs	bzip(HMM:1.7e-22)
17900	OJ000110_13.0222.C15.p4.gs	bzip(HMM:1.6e-13)
17901	OJ000110_13.0426.C15.p4.gs	bzip(HMM:1.6e-13)
17902	OJ000113_11.0225.C12.p1.gs	bzip(HMM:2.9e-13)
17903	OJ000113_21.0317.C10.p1.gs	bzip(HMM:2.7e-11)
17904	OJ000118_07.0215.C1.p2.gs	bzip(HMM:2.6e-07)
17905	OJ000119_08.0302.C5.p1.gs	bzip(HMM:1.7e-06)
17906	OJ000150_00.0124.C48.p1.gs	bzip(HMM:5.6e-18)
17907	OJ000150_01.0124.C24.p1.gs	bzip(HMM:6.2e-14)
17908	OJ000150_01.0124.C39.p1.gs	bzip(HMM:1.1e-06)
17909	OJ000150_20.0124.C2.p3.gs	bzip(HMM:2.6e-07)
17910	OJ000208_12.0417.C12.p1.gs	bzip(HMM:4.1e-11)
17911	OJ000209_01.0301.C12.p1.gs	bzip(HMM:1.3e-11)
17912	OJ000209_02.0314.C46.p2.gs	bzip(HMM:1e-10)
17913	OJ000217_01.0308.C6.p5.gs	bzip(HMM:1.4)
17914	OJ000222_01.0327.C5.p2.gs	bzip(HMM:2e-12)
17915	OJ000229_14.0327.C8.p2.gs	bzip(HMM:3e-11)
17916	OJ000310_32.0419.C5.p2.gs	bzip(HMM:2.5e-05)
17917	OJ000313_04.0414.C5.p11.gs	bzip(HMM:0.21)
17918	OJ000313_06.0419.C16.p10.gs	bzip(HMM:1.2e-16)
17919	OJ000313_31.0421.C4.p1.gs	bzip(HMM:0.00047)
17920	OJ000313_36.0421.C13.p1.gs	bzip(HMM:0.069)
17921	OJ000314_03.0412.C4.p1.gs	bzip(HMM:0.56)
17922	OJ000314_09.0405.C7.p3.gs	bzip(HMM:9.6e-17)
17923	OJ000314_12.0418.C1.p4.gs	bzip(HMM:2.7e-12)
17924	OJ000315_30.0419.C18.p2.gs	bzip(HMM:7.8e-10)
17925	OJ000320_11.0419.C31.p2.gs	bzip(HMM:5.1e-13)
17926	OJ000320_24.0411.C8.p1.gs	bzip(HMM:0.00047)
17927	OJ000322_02.0419.C21.p1.gs	bzip(HMM:2.9e-13)
17928	OJ000322_13.0420.C36.p2.gs	bzip(HMM:1.6e-08)
17929	OJ000323_34.0412.C21.p2.gs	bzip(HMM:1.2e-16)
17930	OJ000323_34.0420.C7.p1.gs	bzip(HMM:1.2e-16)
17931	OJ000324_22.0424.C71.p1.gs	bzip(HMM:0.17)
17932	OJ000330_10.0420.C3.p1.gs	bzip(HMM:0.069)
17933	OJ000331_13.0420.C5.p1.gs	bzip(HMM:1.7e-06)
17934	OJ000350_09.0323.C13.p1.gs	bzip(HMM:1.6e-12)
17935	OJ000350_15.0322.C12.p4.gs	bzip(HMM:2.7e-12)
17936	OJ000350_52.0314.C2.p3.gs	bzip(HMM:5.1e-13)
17937	OJ000350_58.0327.C30.p1.gs	bzip(HMM:1.4e-10)
17938	OJ000450_06.0410.C10.p12.gs	bzip(HMM:1.2e-16)
17939	OJ990304_01.9819.C3.p1.gs	bzip(HMM:7.8e-07)
17940	OJ990310_01.9819.C17.p2.gs	bzip(HMM:5.8e-07)
17941	OJ990311_14.9819.C3.p2.gs	bzip(HMM:6.2e-14)
17942	OJ990318_03.9A03.C6.p1.gs	bzip(HMM:1.1e-10)
17943	OJ990330_14.0103.C7.p6.gs	bzip(HMM:9.1e-14)
17944	OJ990402_30.9819.C6.p3.gs	bzip(HMM:1.6e-11)
17945	OJ990402_31.9C10.C5.p2.gs	bzip(HMM:0.17)
17946	OJ990405_09.9819.C17.p5.gs	bzip(HMM:3.8e-13)
17947	OJ990406_07.9C10.C17.p2.gs	bzip(HMM:3.7e-05)
17948	OJ990421_31.9924.C12.p1.gs	bzip(HMM:7.2e-07)
17949	OJ990421_31.9924.C21.p1.gs	bzip(HMM:0.00048)

17950	OJ990423_11.9924.C14.p1.gs	bzip(HMM:1.7e-05)
17951	OJ990427_01.9A14.C21.p4.gs	bzip(HMM:2.6e-07)
17952	OJ990427_21.0114.C10.p3.gs	bzip(HMM:4.4e-05)
17953	OJ990503_32.9C03.C1.p3.gs	bzip(HMM:2.1e-08)
17954	OJ990518_10.9924.C37.p2.gs	bzip(HMM:2.2e-09)
17955	OJ990518_10.9924.C38.p1.gs	bzip(HMM:0.0011)
17956	OJ990520_03.9C23.C38.p1.gs	bzip(HMM:1e-06)
17957	OJ990604_03.9C03.C40.p1.gs	bzip(HMM:0.069)
17958	OJ990605_41.0225.C3.p3.gs	bzip(HMM:1.7e-22)
17959	OJ990612_35.0103.C7.p5.gs	bzip(HMM:3.1e-07)
17960	OJ990616_09.9C01.C7.p2.gs	bzip(HMM:0.17)
17961	OJ990616_09.9C01.C8.p1.gs	bzip(HMM:2.3e-21)
17962	OJ990617_02.9B01.C92.p1.gs	bzip(HMM:7.6e-05)
17963	OJ990619_50.0211.C2.p1.gs	bzip(HMM:0.087)
17964	OJ990705_39.9919.C11.p5.gs	bzip(HMM:2.6e-07)
17965	OJ990716_06.9819.C18.p2.gs	bzip(HMM:5.2e-13)
17966	OJ990802_12.0218.C9.p3.gs	bzip(HMM:1.4e-14)
17967	OJ990810_04.0303.C31.p4.gs	bzip(HMM:5.2e-08)
17968	OJ990819_16.9B10.C2.p3.gs	bzip(HMM:1.5e-07)
17969	OJ990821_44.9C20.C3.p7.gs	bzip(HMM:0.0079)
17970	OJ990830_03.9B17.C45.p1.gs	bzip(HMM:3.4e-11)
17971	OJ990903_12.9C01.C20.p2.gs	bzip(HMM:1e-11)
17972	OJ990903_18.0103.C5.p9.gs	bzip(HMM:2.6e-06)
17973	OJ990909_05.0223.C12.p1.gs	bzip(HMM:9.4e-15)
17974	OJ990909_08.0222.C22.p1.gs	bzip(HMM:0.00024)
17975	OJ990920_04.9C10.C16.p4.gs	bzip(HMM:0.21)
17976	OJ990922_02.9C17.C34.p1.gs	bzip(HMM:1.2e-05)
17977	OJ991007_03.0421.C8.p3.gs	bzip(HMM:2.7e-11)
17978	OJ991007_03.9C27.C8.p3.gs	bzip(HMM:2.7e-11)
17979	OJ991012_10.0127.C11.p1.gs	bzip(HMM:0.00047)
17980	OJ991027_17.0118.C10.p2.gs	bzip(HMM:0.0012)
17981	OJ991108_12.0404.C11.p2.gs	bzip(HMM:0.0014)
17982	OJ991111_08.0307.C11.p2.gs	bzip(HMM:5.1e-13)
17983	OJ991112_17.9C20.C5.p7.gs	bzip(HMM:1.2e-17)
17984	OJ991119_17.0126.C6.p2.gs	bzip(HMM:2.5e-05)
17985	OJ991122_03.0421.C7.p1.gs	bzip(HMM:3e-11)
17986	OJ991122_03.9C23.C7.p1.gs	bzip(HMM:3e-11)
17987	OJ991202_01.0419.C34.p1.gs	bzip(HMM:0.03)
17988	OJ991216_10.0211.C14.p5.gs	bzip(HMM:0.00047)
17989	OJ991220_10.0118.C5.p4.gs	bzip(HMM:0.069)
17990	OJ000223_05.0419.C14.p2.gs	bzip(HMM:0.074),homeobox(HMM:8.4e-15)
17991	OJ000302_20.0420.C9.p6.gs	bzip(HMM:0.074),homeobox(HMM:8.4e-15)
17992	OJ991117_16.0419.C8.p1.gs	bzip(HMM:7.2e-08),zf-cchc(HMM:5.4e-05)
17993	OJ000113_21.0317.C7.p2.gs	cbfd_nfyb_hmf(HMM:0.048)
17994	OJ000113_23.0214.C4.p10.gs	cbfd_nfyb_hmf(HMM:2.4e-36)
17995	OJ000113_23.0303.C4.p10.gs	cbfd_nfyb_hmf(HMM:2.4e-36)
17996	OJ000122_36.0307.C45.p1.gs	cbfd_nfyb_hmf(HMM:9.5e-05)
17997	OJ000130_34.0419.C15.p2.gs	cbfd_nfyb_hmf(HMM:4.2e-37)
17998	OJ000130_34.0419.C15.p3.gs	cbfd_nfyb_hmf(HMM:2.5e-32)
17999	OJ000209_28.0419.C35.p1.gs	cbfd_nfyb_hmf(HMM:5.4e-21)
18000	OJ000217_16.0403.C13.p2.gs	cbfd_nfyb_hmf(HMM:1.6e-15)

18001	OJ000229_25.0322.C37.p2.gs	cbfd_nfyb_hmf(HMM:1.8e-13)
18002	OJ000250_14.0208.C16.p2.gs	cbfd_nfyb_hmf(HMM:0.048)
18003	OJ000250_84.0214.C9.p4.gs	cbfd_nfyb_hmf(HMM:2.8e-13)
18004	OJ000250_93.0307.C10.p2.gs	cbfd_nfyb_hmf(HMM:9.5e-05)
18005	OJ000303_14.0419.C3.p2.gs	cbfd_nfyb_hmf(HMM:5.5e-06)
18006	OJ000320_16.0419.C20.p2.gs	cbfd_nfyb_hmf(HMM:2e-37)
18007	OJ000323_18.0419.C2.p4.gs	cbfd_nfyb_hmf(HMM:2.8e-13)
18008	OJ000324_19.0419.C6.p1.gs	cbfd_nfyb_hmf(HMM:1.8e-13)
18009	OJ000350_26.0323.C10.p10.gs	cbfd_nfyb_hmf(HMM:3.7e-23)
18010	OJ990402_27.9819.C20.p2.gs	cbfd_nfyb_hmf(HMM:1.6e-26)
18011	OJ990410_20.9922.C2.p1.gs	cbfd_nfyb_hmf(HMM:6.8e-22)
18012	OJ990428_05.9819.C31.p1.gs	cbfd_nfyb_hmf(HMM:0.0015)
18013	OJ990514_12.0103.C34.p2.gs	cbfd_nfyb_hmf(HMM:0.005)
18014	OJ990525_14.9C03.C6.p1.gs	cbfd_nfyb_hmf(HMM:6.9e-23)
18015	OJ990528_11.9A03.C44.p1.gs	cbfd_nfyb_hmf(HMM:1.5e-38)
18016	OJ990619_53.9A29.C4.p1.gs	cbfd_nfyb_hmf(HMM:0.013)
18017	OJ990714_12.0419.C51.p3.gs	cbfd_nfyb_hmf(HMM:0.005)
18018	OJ990721_02.9B16.C15.p1.gs	cbfd_nfyb_hmf(HMM:0.015)
18019	OJ990803_06.9B18.C11.p3.gs	cbfd_nfyb_hmf(HMM:9.4e-36)
18020	OJ990803_06.9B18.C7.p2.gs	cbfd_nfyb_hmf(HMM:7.3e-14)
18021	OJ990817_12.0103.C16.p2.gs	cbfd_nfyb_hmf(HMM:0.047)
18022	OJ990827_03.9C01.C15.p1.gs	cbfd_nfyb_hmf(HMM:2e-37)
18023	OJ990907_08.9B19.C5.p1.gs	cbfd_nfyb_hmf(HMM:5.9e-05)
18024	OJ991029_11.0207.C12.p1.gs	cbfd_nfyb_hmf(HMM:6.8e-22)
18025	OJ991122_12.0229.C3.p6.gs	cbfd_nfyb_hmf(HMM:2.5e-32)
18026	OJ991122_12.0229.C5.p1.gs	cbfd_nfyb_hmf(HMM:4.2e-37)
18027	OJ991201_12.0421.C5.p2.gs	cbfd_nfyb_hmf(HMM:1.7e-24)
18028	OJ991201_12.9C29.C5.p2.gs	cbfd_nfyb_hmf(HMM:1.7e-24)
18029	OJ000214_17.0321.C17.p2.gs	cbfd_nfyb_hmf(HMM:0.03),histo ne(HMM:3.1e-50)
18030	OJ000214_17.0321.C17.p3.gs	cbfd_nfyb_hmf(HMM:0.03),histo ne(HMM:1.6e-51)
18031	OJ000221_07.0323.C12.p6.gs	cbfd_nfyb_hmf(HMM:0.04),histo ne(HMM:5.3e-52)
18032	OJ000250_99.0316.C35.p2.gs	cbfd_nfyb_hmf(HMM:0.03),histo ne(HMM:1.6e-51)
18033	OJ990324_01.0103.C47.p1.gs	cbfd_nfyb_hmf(HMM:0.03),histo ne(HMM:1.3e-50)
18034	OJ990721_07.0211.C6.p3.gs	cbfd_nfyb_hmf(HMM:0.041),hist one(HMM:2.6e-51)
18035	OJ990816_09.9B19.C1.p3.gs	cbfd_nfyb_hmf(HMM:0.069),hist one(HMM:9.5e-52)
18036	OJ991122_19.0330.C1.p7.gs	cbfd_nfyb_hmf(HMM:0.03),histo ne(HMM:1.3e-50)
18037	OJ000102_79.0301.C3.p2.gs	chromo(HMM:0.087)
18038	OJ000102_79.0414.C3.p2.gs	chromo(HMM:0.087)
18039	OJ000102_79.0426.C3.p2.gs	chromo(HMM:0.087)
18040	OJ000111_12.0313.C1.p3.gs	chromo(HMM:0.0039)
18041	OJ000111_12.0426.C1.p3.gs	chromo(HMM:0.0039)
18042	OJ000250_72.0214.C9.p5.gs	chromo(HMM:0.098)
18043	OJ000251_07.0216.C20.p1.gs	chromo(HMM:0.025)
18044	OJ000309_13.0419.C18.p1.gs	chromo(HMM:0.021)
18045	OJ000330_05.0419.C72.p1.gs	chromo(HMM:0.054)
18046	OJ000330_06.0419.C15.p1.gs	chromo(HMM:0.054)

18047	OJ990311_15.9819.C8.p4.gs	chromo(HMM:0.0016)
18048	OJ990316_17.9819.C5.p6.gs	chromo(HMM:0.0003)
18049	OJ990318_14.9922.C10.p4.gs	chromo(HMM:0.084)
18050	OJ990409_08.9923.C13.p1.gs	chromo(HMM:0.0035)
18051	OJ990409_09.0204.C13.p1.gs	chromo(HMM:0.0035)
18052	OJ990421_24.9C10.C7.p2.gs	chromo(HMM:0.23)
18053	OJ990429_22.9819.C2.p14.gs	chromo(HMM:0.4)
18054	OJ990501_22.9C10.C30.p3.gs	chromo(HMM:0.23)
18055	OJ990517_22.9B05.C15.p4.gs	chromo(HMM:2.3)
18056	OJ990531_40.9C03.C3.p1.gs	chromo(HMM:3.5e-06)
18057	OJ990605_38.9B05.C5.p3.gs	chromo(HMM:0.054)
18058	OJ990808_54.0421.C8.p1.gs	chromo(HMM:0.0066)
18059	OJ990808_54.9C20.C9.p1.gs	chromo(HMM:0.0066)
18060	OJ990817_08.9922.C3.p4.gs	chromo(HMM:0.098)
18061	OJ990820_03.0303.C20.p1.gs	chromo(HMM:0.021)
18062	OJ990824_07.9B18.C20.p4.gs	chromo(HMM:0.087)
18063	OJ990924_17.0211.C23.p4.gs	chromo(HMM:0.0016)
18064	OJ991106_42.0103.C5.p4.gs	chromo(HMM:0.29)
18065	OJ991107_30.0204.C1.p3.gs	chromo(HMM:0.098)
18066	OJ991119_13.0207.C40.p3.gs	chromo(HMM:0.087)
18067	OJ991120_34.0419.C19.p4.gs	chromo(HMM:0.0028)
18068	OJ991201_14.0118.C4.p7.gs	chromo(HMM:0.17)
18069	OJ991211_50.0403.C22.p1.gs	chromo(HMM:0.0028)
18070	OJ000251_48.0228.C31.p4.gs	chromo(HMM:0.9),phd(HMM:0.0031),snf2_n(HMM:3.9e-83)
18071	OJ990318_06.0228.C43.p1.gs	chromo(HMM:0.014),phd(HMM:0.0011),snf2_n(HMM:4.8e-65)
18072	OJ991211_57.0228.C38.p3.gs	chromo(HMM:0.01),phd(HMM:0.0011),snf2_n(HMM:4.5e-83)
18073	OJ000207_17.0306.C16.p1.gs	chromo(HMM:0.012),snf2_n(HMM:0.028)
18074	OJ000207_17.0323.C14.p1.gs	chromo(HMM:0.012),snf2_n(HMM:2e-107)
18075	OJ000404_02.0421.C47.p1.gs	chromo(HMM:4.5e-09),snf2_n(HMM:1.4e-15)
18076	OJ000110_17.0410.C4.p3.gs	chromo(HMM:0.061),zf-cchc(HMM:0.00082)
18077	OJ000110_17.0420.C3.p3.gs	chromo(HMM:0.061),zf-cchc(HMM:0.00082)
18078	OJ000110_17.0426.C3.p3.gs	chromo(HMM:0.061),zf-cchc(HMM:0.00082)
18079	OJ000320_28.0419.C12.p2.gs	csd(HMM:7.7e-15)
18080	OJ000324_26.0412.C2.p1.gs	csd(HMM:7.7e-15)
18081	OJ000324_26.0420.C25.p2.gs	csd(HMM:7.7e-15)
18082	OJ000350_34.0310.C21.p3.gs	csd(HMM:4.2e-12),zf-cchc(HMM:1.1e-16)
18083	OJ990414_07.9B12.C32.p4.gs	csd(HMM:4.7e-11),zf-cchc(HMM:1.1e-16)
18084	OJ990810_15.0216.C22.p7.gs	csd(HMM:1.2e-14),zf-cchc(HMM:1.1e-16)
18085	OJ990810_16.0310.C49.p3.gs	csd(HMM:4.2e-12),zf-cchc(HMM:1.1e-16)
18086	OJ000114_11.0217.C20.p4.gs	dof(HMM:2.3e-35)
18087	OJ000118_11.0307.C7.p2.gs	dof(HMM:1.7e-36)

18088	OJ000150_07.0124.C31.p11.gs	dof(HMM:3.6e-36)
18089	OJ000150_28.0124.C56.p4.gs	dof(HMM:6.6e-36)
18090	OJ000150_28.0323.C56.p4.gs	dof(HMM:6.6e-36)
18091	OJ000250_57.0214.C4.p5.gs	dof(HMM:5.4e-36)
18092	OJ000250_57.0310.C3.p8.gs	dof(HMM:5.4e-36)
18093	OJ000301_03.0404.C7.p1.gs	dof(HMM:8.3e-35)
18094	OJ000310_11.0411.C11.p1.gs	dof(HMM:2.3e-35)
18095	OJ000310_11.0415.p2.gs	dof(HMM:2.3e-35)
18096	OJ000314_08.0422.p9.gs	dof(HMM:2.7e-37)
18097	OJ000324_25.0417.p1.gs	dof(HMM:6.6e-35)
18098	OJ000327_04.0424.C2.p4.gs	dof(HMM:5.4e-36)
18099	OJ000327_04.0426.C2.p5.gs	dof(HMM:5.4e-36)
18100	OJ000327_04.0421.C2.p6.gs	dof(HMM:5.4e-36)
18101	OJ000327_04.0421.C2.p7.gs	dof(HMM:5.4e-36)
18102	OJ000327_04.0421.C2.p8.gs	dof(HMM:5.4e-36)
18103	OJ000327_04.0421.C2.p9.gs	dof(HMM:5.4e-36)
18104	OJ000327_04.0421.C2.p10.gs	dof(HMM:5.4e-36)
18105	OJ000327_04.0421.C2.p11.gs	dof(HMM:5.4e-36)
18106	OJ000327_04.0421.C2.p12.gs	dof(HMM:5.4e-36)
18107	OJ000327_04.0421.C2.p13.gs	dof(HMM:5.4e-36)
18108	OJ000327_04.0421.C2.p14.gs	dof(HMM:5.4e-36)
18109	OJ000327_04.0421.C2.p15.gs	dof(HMM:5.4e-36)
18110	OJ000327_04.0421.C2.p16.gs	dof(HMM:5.4e-36)
18111	OJ000327_04.0421.C2.p17.gs	dof(HMM:5.4e-36)
18112	OJ000327_04.0421.C2.p18.gs	dof(HMM:5.4e-36)
18113	OJ000327_04.0421.C2.p19.gs	dof(HMM:5.4e-36)
18114	OJ000327_04.0421.C2.p20.gs	dof(HMM:5.4e-36)
18115	OJ000327_04.0421.C2.p21.gs	dof(HMM:5.4e-36)
18116	OJ000327_04.0421.C2.p22.gs	dof(HMM:5.4e-36)
18117	OJ000327_04.0421.C2.p23.gs	dof(HMM:5.4e-36)
18118	OJ000327_04.0421.C2.p24.gs	dof(HMM:5.4e-36)
18119	OJ000327_04.0421.C2.p25.gs	dof(HMM:5.4e-36)
18120	OJ000327_04.0421.C2.p26.gs	dof(HMM:5.4e-36)
18121	OJ000327_04.0421.C2.p27.gs	dof(HMM:5.4e-36)
18122	OJ000327_04.0421.C2.p28.gs	dof(HMM:5.4e-36)
18123	OJ000327_04.0421.C2.p29.gs	dof(HMM:5.4e-36)
18124	OJ000327_04.0421.C2.p30.gs	dof(HMM:5.4e-36)
18125	OJ000327_04.0421.C2.p31.gs	dof(HMM:5.4e-36)
18126	OJ000327_04.0421.C2.p32.gs	dof(HMM:5.4e-36)
18127	OJ000327_04.0421.C2.p33.gs	dof(HMM:5.4e-36)
18128	OJ000327_04.0421.C2.p34.gs	dof(HMM:5.4e-36)
18129	OJ000327_04.0421.C2.p35.gs	dof(HMM:5.4e-36)
18130	OJ000327_04.0421.C2.p36.gs	dof(HMM:5.4e-36)
18131	OJ000327_04.0421.C2.p37.gs	dof(HMM:5.4e-36)
18132	OJ000327_04.0421.C2.p38.gs	dof(HMM:5.4e-36)
18133	OJ000327_04.0421.C2.p39.gs	dof(HMM:5.4e-36)
18134	OJ000327_04.0421.C2.p40.gs	dof(HMM:5.4e-36)
18135	OJ000327_04.0421.C2.p41.gs	dof(HMM:5.4e-36)
18136	OJ000327_04.0421.C2.p42.gs	dof(HMM:5.4e-36)
18137	OJ000327_04.0421.C2.p43.gs	dof(HMM:5.4e-36)
18138	OJ000327_04.0421.C2.p44.gs	dof(HMM:5.4e-36)
18139	OJ000327_04.0421.C2.p45.gs	dof(HMM:5.4e-36)
18140	OJ000327_04.0421.C2.p46.gs	dof(HMM:5.4e-36)
18141	OJ000327_04.0421.C2.p47.gs	dof(HMM:5.4e-36)

18142	OJ990323_24.9B12.C9.p1.gs	enbp(HMM:3.4e-201)
18143	OJ990730_11.9B08.C5.p3.gs	enbp(HMM:9e-219)
18144	OJ990802_13.9920.C2.p3.gs	enbp(HMM:0.047)
18145	OJ990802_13.9920.C3.p1.gs	enbp(HMM:2.9e-11)
18146	OJ990808_58.0103.C16.p1.gs	enbp(HMM:2.2e-14)
18147	OJ000110_04.0426.C10.p2.gs	gata(HMM:0.44)
18148	OJ000118_20.0222.C15.p2.gs	gata(HMM:2.8e-15)
18149	OJ000150_12.0124.C34.p1.gs	gata(HMM:3.7e-15)
18150	OJ000208_10.0331.C30.p1.gs	gata(HMM:0.13)
18151	OJ000209_08.0309.C5.p3.gs	gata(HMM:0.048)
18152	OJ000210_06.0306.C13.p1.gs	gata(HMM:3.3e-36)
18153	OJ000214_09.0321.C2.p2.gs	gata(HMM:0.00034)
18154	OJ000222_20.0403.C2.p1.gs	gata(HMM:1.3e-05)
18155	OJ000302_08.0410.C8.p11.gs	gata(HMM:4.9e-17)
18156	OJ990323_29.9A15.C6.p6.gs	gata(HMM:5.9e-16)
18157	OJ990407_07.9922.C18.p1.gs	gata(HMM:5.7e-09)
18158	OJ990410_27.9922.C3.p3.gs	gata(HMM:1.9e-16)
18159	OJ990503_28.9924.C3.p1.gs	gata(HMM:2.8e-18)
18160	OJ990503_29.9919.C7.p3.gs	gata(HMM:5.4e-16)
18161	OJ990605_39.0420.C9.p3.gs	gata(HMM:4.5e-15)
18162	OJ990605_39.9921.C29.p1.gs	gata(HMM:4.5e-15)
18163	OJ990605_41.0225.C5.p7.gs	gata(HMM:3.9e-17)
18164	OJ990612_46.9903.C3.p2.gs	gata(HMM:4.5e-15)
18165	OJ990617_11.9B19.C12.p2.gs	gata(HMM:0.00034)
18166	OJ990709_14.9B05.C7.p8.gs	gata(HMM:5.9e-16)
18167	OJ990730_03.9C10.C8.p4.gs	gata(HMM:0.0015)
18168	OJ990803_12.0103.C5.p2.gs	gata(HMM:1.5)
18169	OJ990810_08.0103.C11.p2.gs	gata(HMM:5.4e-16)
18170	OJ990822_52.0128.C16.p2.gs	gata(HMM:2.2e-15)
18171	OJ990825_16.0303.C16.p2.gs	gata(HMM:0.001)
18172	OJ990903_01.9B08.C6.p1.gs	gata(HMM:1.2e-11)
18173	OJ990914_05.9B19.C6.p3.gs	gata(HMM:3.7e-15)
18174	OJ990915_16.9A18.C8.p1.gs	gata(HMM:0.00034)
18175	OJ990924_06.9C01.C6.p1.gs	gata(HMM:0.00034)
18176	OJ991102_02.0223.C19.p2.gs	gata(HMM:0.00034)
18177	OJ991120_31.0103.C10.p1.gs	gata(HMM:5.7e-09)
18178	OJ991217_07.0114.C4.p1.gs	gata(HMM:5.7e-09)
18179	OJ991217_14.0118.C2.p2.gs	gata(HMM:5.9e-16)
18180	OJ000112_10.0210.C18.p2.gs	gld-tea(HMM:3.4e-37)
18181	OJ000112_10.0426.C18.p2.gs	gld-tea(HMM:3.4e-37)
18182	OJ000121_09.0323.C3.p1.gs	gld-tea(HMM:3.4e-32)
18183	OJ000122_31.0321.C19.p1.gs	gld-tea(HMM:1.1e-36)
18184	OJ000203_01.0222.C13.p1.gs	gld-tea(HMM:0.067)
18185	OJ000208_22.0323.C4.p1.gs	gld-tea(HMM:0.0013)
18186	OJ000208_25.0419.C36.p2.gs	gld-tea(HMM:1.7e-41)
18187	OJ000217_01.0308.C1.p1.gs	gld-tea(HMM:2.1e-35)
18188	OJ000223_02.0405.C6.p9.gs	gld-tea(HMM:2.8e-31)
18189	OJ000224_10.0403.C18.p2.gs	gld-tea(HMM:3.7e-13)
18190	OJ000301_18.0330.C13.p2.gs	gld-tea(HMM:0.0028)
18191	OJ000301_18.0330.C14.p1.gs	gld-tea(HMM:1.3e-32)
18192	OJ000301_24.0403.C8.p2.gs	gld-tea(HMM:1.1e-36)
18193	OJ000302_11.0403.C6.p1.gs	gld-tea(HMM:0.036)
18194	OJ000302_27.0419.C18.p1.gs	gld-tea(HMM:3.5e-29)
18195	OJ000306_08.0419.C54.p1.gs	gld-tea(HMM:0.21)

18196	OJ000324_21.0420.C15.p1.gs	gld-tea(HMM:3.4e-32)
18197	OJ000324_23.0420.C82.p2.gs	gld-tea(HMM:4.6e-09)
18198	OJ000331_01.0419.C14.p2.gs	gld-tea(HMM:8.3e-35)
18199	OJ000350_33.0314.C7.p1.gs	gld-tea(HMM:1.7e-29)
18200	OJ000350_52.0314.C10.p1.gs	gld-tea(HMM:0.0058)
18201	OJ000403_28.0424.C3.p7.gs	gld-tea(HMM:8.2e-32)
18202	OJ990304_01.9819.C2.p1.gs	gld-tea(HMM:0.0058)
18203	OJ990319_11.0419.C5.p3.gs	gld-tea(HMM:0.0016)
18204	OJ990319_11.9524.C24.p3.gs	gld-tea(HMM:0.0058)
18205	OJ990402_21.9819.C29.p1.gs	gld-tea(HMM:1.1e-36)
18206	OJ990419_11.9923.C13.p1.gs	gld-tea(HMM:0.63)
18207	OJ990419_11.9923.C14.p1.gs	gld-tea(HMM:0.002)
18208	OJ990527_26.9C10.C8.p1.gs	gld-tea(HMM:8.6e-32)
18209	OJ990619_52.0211.C11.p5.gs	gld-tea(HMM:2.2e-32)
18210	OJ990712_05.9919.C3.p3.gs	gld-tea(HMM:1.3e-32)
18211	OJ990712_05.9919.C4.p3.gs	gld-tea(HMM:1.6e-05)
18212	OJ990714_13.9B05.C13.p4.gs	gld-tea(HMM:3.4e-32)
18213	OJ990716_01.9A11.C2.p2.gs	gld-tea(HMM:4.4e-25)
18214	OJ990720_10.9C17.C21.p2.gs	gld-tea(HMM:0.0015)
18215	OJ990728_08.0114.C13.p2.gs	gld-tea(HMM:0.0016)
18216	OJ990729_07.0110.C19.p1.gs	gld-tea(HMM:3.4e-32)
18217	OJ990821_56.9C20.C17.p2.gs	gld-tea(HMM:5.7e-08)
18218	OJ990830_10.9C13.C13.p1.gs	gld-tea(HMM:1.9e-32)
18219	OJ990916_14.0103.C9.p3.gs	gld-tea(HMM:8.2e-32)
18220	OJ990916_15.9B22.C51.p1.gs	gld-tea(HMM:0.17)
18221	OJ990917_09.9A29.C20.p1.gs	gld-tea(HMM:0.0025)
18222	OJ991107_35.0421.C13.p2.gs	gld-tea(HMM:6.8e-27)
18223	OJ991107_35.9C20.C12.p2.gs	gld-tea(HMM:6.8e-27)
18224	OJ991107_37.0113.C63.p2.gs	gld-tea(HMM:6.8e-31)
18225	OJ991107_37.0421.C63.p2.gs	gld-tea(HMM:6.8e-31)
18226	OJ991113_35.0112.C2.p6.gs	gld-tea(HMM:0.036)
18227	OJ991122_09.0330.C3.p1.gs	gld-tea(HMM:3.4e-19)
18228	OJ991122_10.0419.C40.p1.gs	gld-tea(HMM:7.3e-39)
18229	OJ991214_07.0114.C6.p3.gs	gld-tea(HMM:6.8e-31)
18230	OJ991217_10.0218.C4.p8.gs	gld-tea(HMM:0.0015)
18231	OJ991226_49.0317.C6.p1.gs	gld-tea(HMM:0.0072)
18232	OJ000323_38.0418.C14.p5.gs	gld-tea(HMM:0.062),myb_dna-binding(HMM:1.1e-12)
18233	OJ990520_01.9B12.C33.p1.gs	gld-tea(HMM:0.062),myb_dna-binding(HMM:1.1e-12)
18234	OJ990730_08.9C10.C3.p2.gs	gld-tea(HMM:0.062),myb_dna-binding(HMM:1.1e-12)
18235	OJ990820_14.0223.C19.p1.gs	gld-tea(HMM:0.0094),myb_dna-binding(HMM:1.8e-13)
18236	OJ000216_09.0330.C8.p3.gs	gld-tea(HMM:0.00036),response_reg(HMM:0.00057)
18237	OJ000251_22.0403.C12.p3.gs	gld-tea(HMM:0.00036),response_reg(HMM:0.00057)
18238	OJ000404_02.0421.C26.p1.gs	gld-tea(HMM:1.8e-27),response_reg(HMM:4.7e-34)
18239	OJ990501_20.9819.C2.p2.gs	gld-tea(HMM:0.00036),response_reg

18240	OJ990701_01.9919.C5.p3.gs	(HMM:1.1e-18) gld-tea(HMM:1.8e-06),response_reg(HMM:1.4e-33)
18241	OJ000321_24.0419.C22.p1.gs	hhh(HMM:3.7e-08)
18242	OJ000122_66.0419.C16.p1.gs	hist_deacetyl(HMM:8.8e-23)
18243	OJ000122_66.0419.C4.p1.gs	hist_deacetyl(HMM:8.8e-11)
18244	OJ000210_14.0404.C28.p3.gs	hist_deacetyl(HMM:5.3e-131)
18245	OJ000250_51.0211.C7.p3.gs	hist_deacetyl(HMM:3.3e-99)
18246	OJ000307_27.0419.C16.p3.gs	hist_deacetyl(HMM:1e-125)
18247	OJ000314_36.0419.C12.p2.gs	hist_deacetyl(HMM:1.3e-09)
18248	OJ000350_38.0313.C18.p2.gs	hist_deacetyl(HMM:2.9e-86)
18249	OJ000403_18.0419.C17.p2.gs	hist_deacetyl(HMM:1e-125)
18250	OJ990427_24.9922.C4.p2.gs	hist_deacetyl(HMM:8.3e-54)
18251	OJ990427_24.9922.C5.p4.gs	hist_deacetyl(HMM:1.2e-50)
18252	OJ990427_27.9922.C4.p4.gs	hist_deacetyl(HMM:1.5e-76)
18253	OJ990504_03.0419.C129.p1.gs	hist_deacetyl(HMM:4.8e-06)
18254	OJ990520_23.0103.C9.p1.gs	hist_deacetyl(HMM:1.2e-114)
18255	OJ991008_18.0106.C9.p2.gs	hist_deacetyl(HMM:5.5e-125)
18256	OJ991106_37.0419.C17.p1.gs	hist_deacetyl(HMM:4.2e-05)
18257	OJ000114_27.0419.C27.p1.gs	histone(HMM:1e-34)
18258	OJ000214_10.0404.C1.p1.gs	histone(HMM:4.2e-45)
18259	OJ000214_13.0320.C12.p2.gs	histone(HMM:4.2e-45)
18260	OJ000214_13.0320.C15.p1.gs	histone(HMM:1.6e-44)
18261	OJ000217_16.0403.C17.p3.gs	histone(HMM:2.5e-46)
18262	OJ000223_11.0405.C25.p1.gs	histone(HMM:0.0011)
18263	OJ000251_33.0331.C27.p1.gs	histone(HMM:2.8e-40)
18264	OJ000251_33.0331.C30.p2.gs	histone(HMM:4.2e-45)
18265	OJ000301_03.0404.C12.p2.gs	histone(HMM:2e-47)
18266	OJ000302_09.0414.C4.p3.gs	histone(HMM:4.1e-19)
18267	OJ000310_11.0411.C19.p1.gs	histone(HMM:9.7e-45)
18268	OJ000310_11.0420.C7.p2.gs	histone(HMM:1.9e-12)
18269	OJ000310_23.0419.C46.p1.gs	histone(HMM:1.3e-46)
18270	OJ000310_29.0412.C29.p1.gs	histone(HMM:6.8e-46)
18271	OJ000310_29.0412.C34.p1.gs	histone(HMM:2.1e-46)
18272	OJ000310_29.0412.C46.p2.gs	histone(HMM:1.9e-46)
18273	OJ000310_29.0412.C58.p2.gs	histone(HMM:2.8e-45)
18274	OJ000310_29.0420.C19.p2.gs	histone(HMM:2.1e-46)
18275	OJ000310_29.0420.C45.p2.gs	histone(HMM:1.9e-46)
18276	OJ000310_29.0420.C52.p2.gs	histone(HMM:2.8e-45)
18277	OJ000310_29.0420.C8.p1.gs	histone(HMM:3.7e-46)
18278	OJ000320_11.0419.C32.p1.gs	histone(HMM:5.3)
18279	OJ000330_11.0419.C49.p1.gs	histone(HMM:9e-48)
18280	OJ000350_52.0314.C2.p4.gs	histone(HMM:3e-10)
18281	OJ000403_16.0419.C7.p1.gs	histone(HMM:2e-47)
18282	OJ000404_22.0424.C15.p3.gs	histone(HMM:2.3e-43)
18283	OJ000450_12.0410.C1.p10.gs	histone(HMM:4.1e-19)
18284	OJ990105_06.9819.C16.p1.gs	histone(HMM:6.1e-06)
18285	OJ990304_01.9819.C8.p2.gs	histone(HMM:1.2e-14)
18286	OJ990316_13.9819.C11.p4.gs	histone(HMM:4.1e-19)
18287	OJ990428_07.9C10.C2.p3.gs	histone(HMM:1.9e-46)
18288	OJ990428_07.9C10.C24.p1.gs	histone(HMM:8.4e-25)
18289	OJ990428_07.9C10.C52.p2.gs	histone(HMM:2.8e-45)
18290	OJ990428_20.9924.C16.p2.gs	histone(HMM:4.1e-19)
18291	OJ990429_12.9819.C28.p1.gs	histone(HMM:2.5e-11)

18400	OJ000350_69.0406.C37.p1.gs	hlh(HMM:2.8e-09)
18401	OJ000403_05.0419.C7.p1.gs	hlh(HMM:2.8e-10)
18402	OJ000404_02.0421.C15.p1.gs	hlh(HMM:1e-06)
18403	OJ000404_33.0424.C24.p1.gs	hlh(HMM:7.4e-16)
18404	OJ000450_01.0419.C28.p4.gs	hlh(HMM:9.3e-09)
18405	OJ000450_05.0419.C14.p1.gs	hlh(HMM:2.3e-06)
18406	OJ990301_09.9819.C4.p2.gs	hlh(HMM:8e-08)
18407	OJ990303_10.0420.C47.p1.gs	hlh(HMM:0.56)
18408	OJ990303_10.9819.C29.p2.gs	hlh(HMM:0.56)
18409	OJ990310_04.9819.C26.p4.gs	hlh(HMM:0.038)
18410	OJ990311_14.9819.C2.p5.gs	hlh(HMM:0.00077)
18411	OJ990312_01.9A01.C13.p1.gs	hlh(HMM:5.6e-15)
18412	OJ990312_01.9A01.C23.p1.gs	hlh(HMM:2.9e-15)
18413	OJ990316_17.9819.C5.p10.gs	hlh(HMM:1.8e-10)
18414	OJ990317_04.0128.C39.p1.gs	hlh(HMM:3.1e-07)
18415	OJ990323_07.9A06.C33.p1.gs	hlh(HMM:0.0018)
18416	OJ990407_03.0420.C20.p1.gs	hlh(HMM:4.6e-08)
18417	OJ990407_11.9922.C18.p2.gs	hlh(HMM:4.6e-08)
18418	OJ990419_05.9B05.C27.p4.gs	hlh(HMM:1.2e-09)
18419	OJ990428_25.9819.C3.p1.gs	hlh(HMM:0.023)
18420	OJ990428_25.9819.C4.p3.gs	hlh(HMM:0.072)
18421	OJ990430_06.9C03.C54.p2.gs	hlh(HMM:1.2e-09)
18422	OJ990501_24.9C03.C3.p1.gs	hlh(HMM:2.1e-11)
18423	OJ990501_28.9922.C2.p3.gs	hlh(HMM:0.0041)
18424	OJ990502_31.9A15.C12.p1.gs	hlh(HMM:1.1e-11)
18425	OJ990503_05.9B12.C35.p1.gs	hlh(HMM:0.77)
18426	OJ990528_06.9C03.C30.p1.gs	hlh(HMM:2e-11)
18427	OJ990619_50.0211.C30.p1.gs	hlh(HMM:0.092)
18428	OJ990626_47.9922.C12.p1.gs	hlh(HMM:3.1e-11)
18429	OJ990626_47.9922.C19.p1.gs	hlh(HMM:0.31)
18430	OJ990722_05.9A06.C10.p1.gs	hlh(HMM:0.013)
18431	OJ990804_01.9C17.C37.p2.gs	hlh(HMM:1.5e-11)
18432	OJ990804_01.9C17.C37.p6.gs	hlh(HMM:2.4e-17)
18433	OJ990809_01.0303.C27.p1.gs	hlh(HMM:6.4)
18434	OJ990809_01.0303.C32.p2.gs	hlh(HMM:0.0035)
18435	OJ990818_04.9A01.C4.p2.gs	hlh(HMM:6.8e-11)
18436	OJ990821_59.9C23.C13.p1.gs	hlh(HMM:8.4e-16)
18437	OJ990822_52.0128.C2.p4.gs	hlh(HMM:2.6e-08)
18438	OJ990826_02.9B04.C10.p1.gs	hlh(HMM:1.1e-11)
18439	OJ990907_10.0128.C14.p1.gs	hlh(HMM:7.4e-16)
18440	OJ990908_01.0218.C3.p5.gs	hlh(HMM:2.8e-10)
18441	OJ990915_17.9C23.C17.p1.gs	hlh(HMM:3.8e-12)
18442	OJ991013_07.0223.C22.p1.gs	hlh(HMM:1e-15)
18443	OJ991013_07.0317.C13.p3.gs	hlh(HMM:1e-15)
18444	OJ991020_06.0215.C16.p2.gs	hlh(HMM:2.6e-12)
18445	OJ991020_06.0303.C13.p2.gs	hlh(HMM:2.6e-12)
18446	OJ991102_06.0120.C5.p3.gs	hlh(HMM:6.3e-13)
18447	OJ991107_44.0421.C5.p2.gs	hlh(HMM:2.3e-14)
18448	OJ991107_44.9C27.C5.p2.gs	hlh(HMM:2.3e-14)
18449	OJ991112_08.0421.C7.p2.gs	hlh(HMM:8e-08)
18450	OJ991112_08.9C22.C7.p2.gs	hlh(HMM:8e-08)
18451	OJ991112_13.0110.C6.p5.gs	hlh(HMM:2.1e-12)
18452	OJ991117_06.0419.C10.p1.gs	hlh(HMM:0.0022)
18453	OJ991117_15.0331.C12.p3.gs	hlh(HMM:0.00038)

18508	OJ990315_09.0128.C20.p2.gs	homeobox(HMM:1.6e-20)
18509	OJ990315_09.0421.C13.p1.gs	homeobox(HMM:8e-20)
18510	OJ990315_09.0421.C19.p2.gs	homeobox(HMM:1.6e-20)
18511	OJ990331_01.9922.C10.p1.gs	homeobox(HMM:5.5e-15)
18512	OJ990520_01.9B12.C29.p2.gs	homeobox(HMM:2.1e-17)
18513	OJ990526_09.9924.C10.p1.gs	homeobox(HMM:4.1e-11)
18514	OJ990527_26.9C10.C2.p6.gs	homeobox(HMM:0.074)
18515	OJ990530_35.0103.C54.p1.gs	homeobox(HMM:1e-19)
18516	OJ990530_35.0421.C53.p1.gs	homeobox(HMM:1e-19)
18517	OJ990602_12.0421.C6.p1.gs	homeobox(HMM:4.2e-18)
18518	OJ990602_12.9C22.C8.p1.gs	homeobox(HMM:4.2e-18)
18519	OJ990630_11.9B15.C6.p6.gs	homeobox(HMM:5.7e-20)
18520	OJ990730_06.0310.C30.p3.gs	homeobox(HMM:1e-19)
18521	OJ990730_08.9C10.C3.p6.gs	homeobox(HMM:2.1e-17)
18522	OJ990805_01.9B19.C9.p1.gs	homeobox(HMM:8.9e-13)
18523	OJ990810_06.9922.C3.p6.gs	homeobox(HMM:1e-19)
18524	OJ990825_16.0303.C9.p1.gs	homeobox(HMM:0.051)
18525	OJ990921_14.0308.C6.p2.gs	homeobox(HMM:6.9e-20)
18526	OJ990923_14.0228.C79.p2.gs	homeobox(HMM:7.8e-19)
18527	OJ990924_11.0103.C1.p1.gs	homeobox(HMM:3.1e-14)
18528	OJ991022_14.0119.C3.p2.gs	homeobox(HMM:0.058)
18529	OJ991028_10.0118.C10.p1.gs	homeobox(HMM:1e-19)
18530	OJ991102_06.0120.C7.p4.gs	homeobox(HMM:1.7e-20)
18531	OJ991106_43.0105.C2.p3.gs	homeobox(HMM:1.6e-20)
18532	OJ991112_17.9C20.C12.p1.gs	homeobox(HMM:0.049)
18533	OJ991202_05.0421.C3.p5.gs	homeobox(HMM:8.1e-19)
18534	OJ991202_05.9C30.C3.p5.gs	homeobox(HMM:8.1e-19)
18535	OJ991202_19.0114.C7.p3.gs	homeobox(HMM:4e-08)
18536	OJ991202_19.0421.C6.p3.gs	homeobox(HMM:4e-08)
18537	OJ991208_02.0106.C5.p5.gs	homeobox(HMM:0.014)
18538	OJ991209_05.0118.C8.p5.gs	homeobox(HMM:3.1e-20)
18539	OJ991216_02.0218.C8.p3.gs	homeobox(HMM:0.011)
18540	OJ991226_32.0308.C23.p2.gs	homeobox(HMM:6.9e-20)
18541	OJ000111_01.0225.C3.p7.gs	homeobox(HMM:0.0034),homeo box_knox3(4.5e-10)
18542	OJ000111_01.0426.C3.p7.gs	homeobox(HMM:0.0034),homeo box_knox3(4.5e-10)
18543	OJ000150_02.0124.C45.p1.gs	homeobox(HMM:0.00038),homeo box_knox3(1.2e-09)
18544	OJ000221_03.0403.C14.p2.gs	homeobox(HMM:0.0054),homeo box_knox3(4.4e-19)
18545	OJ000221_03.0403.C8.p4.gs	homeobox(HMM:0.0037),homeo box_knox3(2.5e-09)
18546	OJ000301_28.0330.C5.p3.gs	homeobox(HMM:0.0034),homeo box_knox3(4.4e-10)
18547	OJ000323_37.0418.C8.p1.gs	homeobox(HMM:0.19),homeobo x_knox3(8.7e-08)
18548	OJ990122_01.9819.C3.p2.gs	homeobox(HMM:0.19),homeobo x_knox3(9.1e-08)
18549	OJ990430_20.9A20.C1.p1.gs	homeobox(HMM:0.0054),homeo box_knox3(1.6e-19)
18550	OJ990502_22.9A14.C9.p1.gs	homeobox(HMM:0.0067),homeo box_knox3(4.7e-08)
18551	OJ990505_06.9A11.C19.p1.gs	homeobox(HMM:0.00038),homeo

18552	OJ990729_04.0317.C4.p1.gs	obox_knox3(1.2e-09) homeobox(HMM:0.19),homeobo x_knox3(8.9e-08)
18553	OJ990823_02.9B15.C15.p2.gs	homeobox(HMM:0.0034),homeo box_knox3(3.9e-10)
18554	OJ990826_02.9B04.C17.p5.gs	homeobox(HMM:0.0054),homeo box_knox3(1.8e-19)
18555	OJ991201_15.0127.C4.p1.gs	homeobox(HMM:0.0037),homeo box_knox3(1.4e-09)
18556	OJ991217_13.0118.C11.p3.gs	homeobox(HMM:0.00024),home obox_knox3(1.3e-09)
18557	OJ991225_73.0317.C13.p2.gs	homeobox(HMM:0.0022),homeo box_knox3(1.1e-09)
18558	OJ990730_04.9920.C7.p2.gs	homeobox(HMM:1.7e- 18),homeobox_mat(0.0008)
18559	OJ991116_09.0222.C12.p2.gs	homeobox(HMM:1.7e- 18),homeobox_mat(0.0008)
18560	OJ991116_09.0414.C13.p2.gs	homeobox(HMM:1.7e- 18),homeobox_mat(0.0008)
18561	OJ000113_20.0203.C12.p1.gs	homeobox_knox3(5.3e-08)
18562	OJ000217_01.0308.C6.p7.gs	homeobox_knox3(1.3e-07)
18563	OJ000223_11.0405.C13.p1.gs	homeobox_knox3(4.3e-05)
18564	OJ000223_11.0405.C14.p1.gs	homeobox_knox3(1.0e-07)
18565	OJ000114_27.0419.C23.p1.gs	hsf_dna-bind(HMM:6.7e-09)
18566	OJ000204_21.0413.C2.p1.gs	hsf_dna-bind(HMM:6.7e-06)
18567	OJ000204_21.0413.C3.p2.gs	hsf_dna-bind(HMM:0.001)
18568	OJ000204_22.0419.C11.p1.gs	hsf_dna-bind(HMM:0.001)
18569	OJ000210_10.0307.C10.p1.gs	hsf_dna-bind(HMM:1.7e-45)
18570	OJ000221_08.0320.C6.p4.gs	hsf_dna-bind(HMM:1.4e-75)
18571	OJ000310_08.0419.C8.p3.gs	hsf_dna-bind(HMM:3.2e-07)
18572	OJ000314_08.0414.C1.p2.gs	hsf_dna-bind(HMM:3.2e-54)
18573	OJ000314_33.0419.C6.p4.gs	hsf_dna-bind(HMM:1.3e-56)
18574	OJ000320_15.0411.C9.p2.gs	hsf_dna-bind(HMM:5e-73)
18575	OJ000320_21.0419.C33.p1.gs	hsf_dna-bind(HMM:8.8e-46)
18576	OJ000323_08.0419.C4.p1.gs	hsf_dna-bind(HMM:5.2e-11)
18577	OJ000323_08.0419.C5.p1.gs	hsf_dna-bind(HMM:4.3e-08)
18578	OJ000323_16.0421.C22.p1.gs	hsf_dna-bind(HMM:3.7e-07)
18579	OJ990315_09.0128.C5.p1.gs	hsf_dna-bind(HMM:3.6e-53)
18580	OJ990315_09.0421.C5.p1.gs	hsf_dna-bind(HMM:3.6e-53)
18581	OJ990423_07.9B01.C25.p1.gs	hsf_dna-bind(HMM:1.1e-70)
18582	OJ990527_20.0419.C45.p2.gs	hsf_dna-bind(HMM:6.1e-57)
18583	OJ990620_36.9B04.C6.p3.gs	hsf_dna-bind(HMM:6.1e-57)
18584	OJ990701_01.9919.C7.p2.gs	hsf_dna-bind(HMM:3.3e-62)
18585	OJ990816_07.0225.C4.p2.gs	hsf_dna-bind(HMM:0.0012)
18586	OJ990817_12.0103.C2.p2.gs	hsf_dna-bind(HMM:6.5e-11)
18587	OJ990817_12.0103.C3.p1.gs	hsf_dna-bind(HMM:1.3e-07)
18588	OJ990903_04.9B12.C28.p2.gs	hsf_dna-bind(HMM:9.2e-09)
18589	OJ991027_16.0118.C12.p3.gs	hsf_dna-bind(HMM:1.4e-56)
18590	OJ991106_43.0105.C4.p1.gs	hsf_dna-bind(HMM:4.9e-48)
18591	OJ991114_37.0128.C1.p1.gs	hsf_dna-bind(HMM:3.3e-62)
18592	OJ991121_30.0419.C4.p2.gs	hsf_dna-bind(HMM:2.1)
18593	OJ991202_08.0421.C15.p1.gs	hsf_dna-bind(HMM:5.2e-11)
18594	OJ991202_08.9C30.C14.p1.gs	hsf_dna-bind(HMM:5.2e-11)
18595	OJ991210_11.0121.C16.p1.gs	hsf_dna-bind(HMM:6.1e-08)

18596	OJ991214_05.0214.C9.p3.gs	hsf_dna-bind(HMM:0.00042)
18597	OJ991226_43.0315.C7.p4.gs	hsf_dna-bind(HMM:5.2e-11)
18598	OJ000107_10.0215.C14.p2.gs	iaa(HMM:2.5e-40)
18599	OJ000107_10.0426.C14.p2.gs	iaa(HMM:2.5e-40)
18600	OJ000118_21.0313.C6.p1.gs	iaa(HMM:2.5e-40)
18601	OJ000125_05.0316.C8.p2.gs	iaa(HMM:2.1e-24)
18602	OJ000150_00.0124.C56.p2.gs	iaa(HMM:2.8e-39)
18603	OJ000150_19.0124.C1.p1.gs	iaa(HMM:3.8e-23)
18604	OJ000150_19.0124.C2.p3.gs	iaa(HMM:0.00048)
18605	OJ000250_43.0214.C5.p14.gs	iaa(HMM:2.6e-24)
18606	OJ000301_04.0403.C25.p1.gs	iaa(HMM:1.9e-12)
18607	OJ000302_05.0406.C13.p1.gs	iaa(HMM:6.1e-16)
18608	OJ000307_13.0419.C11.p1.gs	iaa(HMM:0.0014)
18609	OJ000307_13.0419.C8.p4.gs	iaa(HMM:3.2e-48)
18610	OJ000310_07.0418.C8.p1.gs	iaa(HMM:7.7e-36)
18611	OJ000310_08.0419.C33.p2.gs	iaa(HMM:3.8e-45)
18612	OJ000313_05.0419.C44.p1.gs	iaa(HMM:0.013)
18613	OJ000320_29.0419.C3.p2.gs	iaa(HMM:1.6e-14)
18614	OJ000329_12.0419.C18.p2.gs	iaa(HMM:4.6e-28)
18615	OJ000330_35.0419.C23.p1.gs	iaa(HMM:5.2e-15)
18616	OJ000404_33.0424.C15.p1.gs	iaa(HMM:1.2e-25)
18617	OJ000450_08.0414.C22.p1.gs	iaa(HMM:0.013)
18618	OJ990311_14.9819.C2.p2.gs	iaa(HMM:2.6e-45)
18619	OJ990315_09.0128.C8.p2.gs	iaa(HMM:3.8e-45)
18620	OJ990315_09.0421.C8.p2.gs	iaa(HMM:3.8e-45)
18621	OJ990414_03.9C03.C10.p2.gs	iaa(HMM:2.3e-18)
18622	OJ990428_28.9A08.C7.p3.gs	iaa(HMM:3.9e-25)
18623	OJ990512_08.0419.C41.p1.gs	iaa(HMM:1.5e-22)
18624	OJ990519_28.9924.C16.p2.gs	iaa(HMM:3.9e-25)
18625	OJ990619_48.9A20.C1.p1.gs	iaa(HMM:5.4e-56)
18626	OJ990619_54.9922.C3.p1.gs	iaa(HMM:1.4e-49)
18627	OJ990708_04.9A01.C9.p1.gs	iaa(HMM:2.9e-34)
18628	OJ990808_54.0421.C7.p1.gs	iaa(HMM:0.65)
18629	OJ990808_54.9C20.C8.p1.gs	iaa(HMM:0.65)
18630	OJ990822_48.0106.C2.p2.gs	iaa(HMM:5.4e-31)
18631	OJ990830_09.9C23.C3.p3.gs	iaa(HMM:0.22)
18632	OJ990922_10.0128.C12.p5.gs	iaa(HMM:6.6e-36)
18633	OJ991106_43.0105.C7.p2.gs	iaa(HMM:3.8e-45)
18634	OJ991107_44.0421.C3.p2.gs	iaa(HMM:8.1e-15)
18635	OJ991107_44.9C27.C3.p2.gs	iaa(HMM:8.1e-15)
18636	OJ991114_35.0419.C20.p1.gs	iaa(HMM:9e-30)
18637	OJ991122_05.0210.C10.p1.gs	iaa(HMM:6.6e-20)
18638	OJ991122_05.0303.C2.p1.gs	iaa(HMM:6.6e-20)
18639	OJ991122_05.0421.C2.p1.gs	iaa(HMM:6.6e-20)
18640	OJ991203_01.0128.C10.p3.gs	iaa(HMM:9e-30)
18641	OJ991211_35.0420.C15.p3.gs	iaa(HMM:2.6e-28)
18642	OJ000303_07.0419.C27.p2.gs	ibr(HMM:7.4e-10)
18643	OJ000303_07.0419.C27.p3.gs	ibr(HMM:0.45)
18644	OJ000306_05.0419.C4.p2.gs	ibr(HMM:5.1e-19)
18645	OJ000306_06.0403.C16.p1.gs	ibr(HMM:2.3e-11)
18646	OJ000306_06.0403.C16.p2.gs	ibr(HMM:5.1e-19)
18647	OJ000313_26.0407.C14.p1.gs	ibr(HMM:1.9e-15)
18648	OJ000313_26.0420.C14.p1.gs	ibr(HMM:1.9e-15)
18649	OJ000314_15.0419.C24.p1.gs	ibr(HMM:5.1e-10)

18650	OJ990528_30.9919.C9.p1.gs	ibr(HMM:1.3e-20)
18651	OJ990810_02.9B08.C9.p1.gs	ibr(HMM:2.3e-11)
18652	OJ990810_02.9B08.C9.p2.gs	ibr(HMM:5.1e-19)
18653	OJ000111_12.0313.C5.p4.gs	ibr(HMM:6.9e-05),zf-c3hc4(HMM:0.0042)
18654	OJ000111_12.0426.C5.p4.gs	ibr(HMM:6.9e-05),zf-c3hc4(HMM:0.0042)
18655	OJ000112_04.0202.C2.p2.gs	ibr(HMM:0.014),zf-c3hc4(HMM:0.0063)
18656	OJ000112_04.0426.C2.p2.gs	ibr(HMM:0.014),zf-c3hc4(HMM:0.0063)
18657	OJ000250_49.0214.C8.p3.gs	ibr(HMM:0.003),zf-c3hc4(HMM:0.15)
18658	OJ000303_28.0419.C19.p2.gs	ibr(HMM:0.003),zf-c3hc4(HMM:0.15)
18659	OJ000306_05.0419.C4.p1.gs	ibr(HMM:6.6),zf-c3hc4(HMM:0.043)
18660	OJ000314_15.0419.C16.p1.gs	ibr(HMM:5.9e-11),zf-c3hc4(HMM:0.18)
18661	OJ990619_35.9927.C5.p12.gs	ibr(HMM:0.057),zf-c3hc4(HMM:0.09)
18662	OJ990727_05.9A26.C4.p2.gs	ibr(HMM:1.4e-06),zf-c3hc4(HMM:0.052)
18663	OJ000113_15.0210.C13.p1.gs	k-box(HMM:7.7e-09)
18664	OJ000150_15.0124.C25.p1.gs	k-box(HMM:1.4e-26)
18665	OJ000223_06.0316.C7.p1.gs	k-box(HMM:5.6e-05)
18666	OJ000224_03.0404.C19.p1.gs	k-box(HMM:1.4e-26)
18667	OJ000250_48.0211.C12.p2.gs	k-box(HMM:6.4e-14)
18668	OJ000250_82.0320.C45.p7.gs	k-box(HMM:2.4e-07)
18669	OJ000250_82.0320.C46.p1.gs	k-box(HMM:0.006)
18670	OJ000251_48.0228.C11.p1.gs	k-box(HMM:1.9e-05)
18671	OJ000306_08.0419.C59.p1.gs	k-box(HMM:1.7e-06)
18672	OJ000404_14.0424.C22.p1.gs	k-box(HMM:0.009)
18673	OJ990312_12.9819.C28.p2.gs	k-box(HMM:0.00079)
18674	OJ990517_23.9C10.C9.p5.gs	k-box(HMM:3.8e-30)
18675	OJ990525_14.9C03.C6.p2.gs	k-box(HMM:0.00016)
18676	OJ990528_21.9B12.C23.p4.gs	k-box(HMM:3.8e-30)
18677	OJ990604_02.9A01.C22.p1.gs	k-box(HMM:3.8e-30)
18678	OJ990727_04.9A20.C3.p6.gs	k-box(HMM:2.5e-05)
18679	OJ990823_06.9B03.C3.p1.gs	k-box(HMM:7.8e-07)
18680	OJ991020_07.0202.C15.p1.gs	k-box(HMM:3.9e-15)
18681	OJ991113_34.0421.C9.p4.gs	k-box(HMM:6.5)
18682	OJ991113_34.9C27.C29.p1.gs	k-box(HMM:6.5)
18683	OJ991208_01.0110.C9.p1.gs	k-box(HMM:2.8e-05)
18684	OJ991211_57.0228.C13.p1.gs	k-box(HMM:1.9e-05)
18685	OJ000204_15.0302.C2.p2.gs	k-box(HMM:3.9e-06),srf-tf(HMM:3.7e-35)
18686	OJ000210_21.0419.C15.p7.gs	k-box(HMM:0.0051),srf-tf(HMM:3e-29)
18687	OJ000250_82.0320.C45.p6.gs	k-box(HMM:5.4e-17),srf-tf(HMM:5.2e-12)
18688	OJ000302_10.0418.C12.p1.gs	k-box(HMM:4.8e-24),srf-tf(HMM:1e-35)
18689	OJ000306_09.0407.C36.p1.gs	k-box(HMM:1.4e-06),srf-

18690	OJ000350_26.0323.C10.p7.gs	tf(HMM:1.1e-33) k-box(HMM:1.7e-13),srf- tf(HMM:1.4e-37)
18691	OJ990515_20.9924.C4.p1.gs	k-box(HMM:1.3e-13),srf- tf(HMM:3.1e-38)
18692	OJ991115_09.0421.C11.p2.gs	k-box(HMM:6.7e-27),srf- tf(HMM:3.1e-38)
18693	OJ991115_09.9C22.C11.p2.gs	k-box(HMM:6.7e-27),srf- tf(HMM:3.1e-38)
18694	OJ991206_18.0131.C13.p5.gs	k-box(HMM:6.7e-27),srf- tf(HMM:3.1e-38)
18695	OJ991211_65.0317.C11.p1.gs	k-box(HMM:5.4e-31),srf- tf(HMM:6.4e-37)
18696	OJ000102_56.0407.C45.p2.gs	lim(HMM:1.1e-32)
18697	OJ000102_56.0426.C45.p2.gs	lim(HMM:1.1e-32)
18698	OJ000251_37.0315.C43.p3.gs	lim(HMM:0.00011)
18699	OJ000251_42.0328.C11.p2.gs	lim(HMM:8.1e-31)
18700	OJ000301_15.0330.C7.p1.gs	lim(HMM:6.3e-33)
18701	OJ000307_05.0403.C12.p1.gs	lim(HMM:7.3e-15)
18702	OJ000310_31.0425.C12.p1.gs	lim(HMM:2e-16)
18703	OJ000323_09.0424.C18.p1.gs	lim(HMM:6.3e-33)
18704	OJ000450_09.0412.C2.p5.gs	lim(HMM:1e-33)
18705	OJ990420_06.9923.C24.p1.gs	lim(HMM:5.2e-23)
18706	OJ990503_01.9A29.C47.p1.gs	lim(HMM:1.1e-23)
18707	OJ991011_05.0103.C7.p1.gs	lim(HMM:2.4e-26)
18708	OJ991111_07.0330.C4.p3.gs	lim(HMM:0.0086),zf- c3hc4(HMM:5.2e-25)
18709	OJ000150_00.0124.C64.p3.gs	linker_histone(HMM:2.3e-35)
18710	OJ990323_15.9A11.C4.p3.gs	linker_histone(HMM:2.3e-35)
18711	OJ990907_15.9C03.C5.p2.gs	linker_histone(HMM:1.9e-27)
18712	OJ991015_17.0222.C32.p3.gs	linker_histone(HMM:1.1e-05)
18713	OJ991108_19.0419.C69.p3.gs	linker_histone(HMM:1.1e-05)
18714	OJ991115_07.0218.C7.p2.gs	linker_histone(HMM:1.2e-24)
18715	OJ990708_04.9A01.C10.p2.gs	linker_histone(HMM:9.3e- 06),myb_dna- binding(HMM:8.2e-05)
18716	OJ000102_56.0407.C45.p4.gs	myb_dna-binding(HMM:0.091)
18717	OJ000102_56.0426.C45.p4.gs	myb_dna-binding(HMM:0.091)
18718	OJ000105_11.0310.C3.p1.gs	myb_dna- binding(HMM:0.00061)
18719	OJ000105_11.0426.C3.p1.gs	myb_dna- binding(HMM:0.00061)
18720	OJ000108_30.0403.C40.p2.gs	myb_dna-binding(HMM:7.1e-40)
18721	OJ000108_30.0426.C40.p2.gs	myb_dna-binding(HMM:7.1e-40)
18722	OJ000110_04.0426.C15.p1.gs	myb_dna-binding(HMM:2.5e-36)
18723	OJ000110_04.0426.C9.p4.gs	myb_dna-binding(HMM:0.0089)
18724	OJ000112_16.0202.C3.p2.gs	myb_dna-binding(HMM:0.19)
18725	OJ000112_16.0426.C3.p2.gs	myb_dna-binding(HMM:0.19)
18726	OJ000114_03.0320.C13.p2.gs	myb_dna-binding(HMM:7.6e-36)
18727	OJ000117_03.0225.C6.p2.gs	myb_dna-binding(HMM:2.9e-40)
18728	OJ000117_03.0317.C9.p1.gs	myb_dna-binding(HMM:2.9e-40)
18729	OJ000118_13.0419.C5.p1.gs	myb_dna-binding(HMM:3e-06)
18730	OJ000126_12.0229.C6.p4.gs	myb_dna-binding(HMM:8.3e-41)
18731	OJ000150_17.0124.C39.p5.gs	myb_dna-

18732	OJ000150_24.0124.C2.p3.gs	binding(HMM:0.00023)
18733	OJ000207_08.0302.C14.p1.gs	myb_dna-binding(HMM:1.7e-46)
18734	OJ000207_17.0306.C10.p3.gs	myb_dna-binding(HMM:0.0024)
18735	OJ000207_17.0323.C8.p2.gs	myb_dna-binding(HMM:1.5e-42)
18736	OJ000209_08.0309.C18.p3.gs	myb_dna-binding(HMM:0.22)
18737	OJ000209_08.0309.C2.p2.gs	myb_dna-binding(HMM:2e-39)
18738	OJ000209_09.0301.C16.p1.gs	myb_dna-binding(HMM:9.2e-41)
18739	OJ000209_09.0301.C7.p6.gs	myb_dna-binding(HMM:9.4e-17)
18740	OJ000209_09.0323.C10.p2.gs	myb_dna-binding(HMM:0.00012)
18741	OJ000209_09.0323.C13.p1.gs	myb_dna-binding(HMM:5.3e-06)
18742	OJ000209_13.0316.C5.p3.gs	myb_dna-binding(HMM:9.4e-17)
18743	OJ000209_23.0320.C5.p2.gs	myb_dna-binding(HMM:0.12)
18744	OJ000210_18.0310.C13.p2.gs	myb_dna-binding(HMM:2e-39)
18745	OJ000221_09.0419.C19.p3.gs	myb_dna-binding(HMM:6.5e-29)
18746	OJ000221_20.0314.C8.p1.gs	myb_dna-binding(HMM:3.3e-33)
18747	OJ000222_08.0317.C5.p1.gs	myb_dna-binding(HMM:0.0048)
18748	OJ000222_12.0404.C10.p3.gs	myb_dna-binding(HMM:6.9e-46)
18749	OJ000223_01.0320.C15.p2.gs	myb_dna-binding(HMM:7.4e-30)
18750	OJ000223_16.0320.C8.p3.gs	myb_dna-binding(HMM:1.4e-10)
18751	OJ000228_06.0406.C3.p1.gs	myb_dna-binding(HMM:0.025)
18752	OJ000229_14.0327.C16.p1.gs	myb_dna-binding(HMM:0.0098)
18753	OJ000229_14.0327.C6.p2.gs	myb_dna-binding(HMM:2.7e-21)
18754	OJ000229_23.0323.C25.p5.gs	myb_dna-binding(HMM:1.5e-46)
18755	OJ000250_27.0303.C17.p1.gs	myb_dna-binding(HMM:0.0044)
18756	OJ000250_37.0210.C13.p4.gs	myb_dna-binding(HMM:0.00023)
18757	OJ000250_40.0211.C23.p3.gs	myb_dna-binding(HMM:2.7e-31)
18758	OJ000250_46.0211.C6.p1.gs	myb_dna-binding(HMM:2e-38)
18759	OJ000250_46.0303.C2.p4.gs	myb_dna-binding(HMM:8.5e-28)
18760	OJ000250_48.0211.C1.p3.gs	myb_dna-binding(HMM:8.5e-28)
18761	OJ000250_89.0214.C6.p1.gs	myb_dna-binding(HMM:1.7e-46)
18762	OJ000250_91.0405.C8.p1.gs	myb_dna-binding(HMM:0.034)
18763	OJ000251_42.0328.C12.p2.gs	myb_dna-binding(HMM:0.034)
18764	OJ000251_42.0328.C13.p2.gs	myb_dna-binding(HMM:0.091)
18765	OJ000301_13.0330.C21.p6.gs	myb_dna-binding(HMM:2.9e-38)
18766	OJ000301_13.0330.C6.p1.gs	myb_dna-binding(HMM:8.8e-14)
18767	OJ000302_04.0410.C11.p1.gs	myb_dna-binding(HMM:0.024)
18768	OJ000302_15.0331.C20.p1.gs	myb_dna-binding(HMM:1.2e-40)
18769	OJ000303_15.0419.C22.p2.gs	myb_dna-binding(HMM:1.2e-17)
18770	OJ000306_18.0419.C10.p1.gs	myb_dna-binding(HMM:0.024)
18771	OJ000313_29.0419.C8.p2.gs	myb_dna-binding(HMM:0.00061)
18772	OJ000313_40.0419.C2.p1.gs	myb_dna-binding(HMM:4e-19)
18773	OJ000314_12.0418.C3.p3.gs	myb_dna-binding(HMM:0.0098)
18774	OJ000315_06.0413.C16.p2.gs	myb_dna-binding(HMM:2.4e-36)
18775	OJ000315_06.0420.C18.p2.gs	myb_dna-binding(HMM:2.4e-26)
18776	OJ000315_30.0419.C3.p4.gs	myb_dna-binding(HMM:2.4e-26)
18777	OJ000315_40.0420.C11.p6.gs	myb_dna-binding(HMM:4.3e-37)
18778	OJ000316_14.0419.C8.p1.gs	myb_dna-binding(HMM:7.4e-45)
18779	OJ000316_33.0410.C24.p1.gs	myb_dna-binding(HMM:0.059)
18780	OJ000320_11.0419.C19.p1.gs	myb_dna-binding(HMM:0.026)
18781	OJ000320_11.0419.C24.p1.gs	myb_dna-binding(HMM:5e-20)
		myb_dna-binding(HMM:1.7e-33)

18782	OJ000320_14.0419.C18.p4.gs	myb_dna-binding(HMM:2.2e-39)
18783	OJ000320_22.0419.C12.p1.gs	myb_dna-binding(HMM:0.081)
18784	OJ000321_03.0417.C6.p3.gs	myb_dna-binding(HMM:1.1e-43)
18785	OJ000321_03.0426.C4.p4.gs	myb_dna-binding(HMM:1.1e-43)
18786	OJ000321_07.0419.C3.p1.gs	myb_dna-binding(HMM:2.4e-36)
18787	OJ000321_15.0419.C33.p1.gs	myb_dna-binding(HMM:0.05)
18788	OJ000321_23.0424.C32.p1.gs	myb_dna-binding(HMM:3.8e-19)
18789	OJ000321_37.0419.C14.p1.gs	myb_dna-binding(HMM:0.05)
18790	OJ000322_20.0419.C24.p1.gs	myb_dna-binding(HMM:8.3e-41)
18791	OJ000323_38.0418.C27.p1.gs	myb_dna-binding(HMM:3.6e-07)
18792	OJ000324_03.0419.C5.p1.gs	myb_dna-binding(HMM:0.0041)
18793	OJ000324_30.0413.C19.p1.gs	myb_dna-binding(HMM:1.1e-11)
18794	OJ000324_30.0420.C3.p1.gs	myb_dna-binding(HMM:1.1e-11)
18795	OJ000327_02.0418.C8.p2.gs	myb_dna-binding(HMM:1.5e-37)
18796	OJ000327_09.0424.C34.p1.gs	myb_dna-binding(HMM:1.1e-11)
18797	OJ000330_31.0424.C25.p1.gs	myb_dna-binding(HMM:1.1e-36)
18798	OJ000330_31.0424.C28.p1.gs	myb_dna-binding(HMM:3.3e-23)
18799	OJ000330_36.0424.C6.p2.gs	myb_dna-binding(HMM:7.6e-36)
18800	OJ000350_22.0419.C6.p2.gs	myb_dna-binding(HMM:2.5e-42)
18801	OJ000350_36.0314.C7.p7.gs	myb_dna-binding(HMM:8.3e-41)
18802	OJ000350_37.0314.C11.p1.gs	myb_dna-binding(HMM:0.033)
18803	OJ000403_04.0421.C14.p2.gs	myb_dna-binding(HMM:0.018)
18804	OJ000404_27.0421.C2.p1.gs	myb_dna-binding(HMM:3.7e-45)
18805	OJ990105_08.9819.C26.p1.gs	myb_dna-binding(HMM:0.0014)
18806	OJ990201_04.9819.C8.p1.gs	myb_dna-binding(HMM:1.4e-38)
18807	OJ990203_02.9819.C24.p2.gs	myb_dna-binding(HMM:0.18)
18808	OJ990203_06.9819.C1.p2.gs	myb_dna-binding(HMM:2.4e-44)
18809	OJ990203_06.9819.C42.p1.gs	myb_dna-binding(HMM:0.019)
18810	OJ990304_02.9B12.C1.p4.gs	myb_dna-binding(HMM:8.1e-15)
18811	OJ990308_03.9A05.C16.p2.gs	myb_dna-binding(HMM:0.00061)
18812	OJ990311_11.9819.C26.p1.gs	myb_dna-binding(HMM:0.034)
18813	OJ990312_09.9B12.C38.p1.gs	myb_dna-binding(HMM:7.6e-36)
18814	OJ990330_16.9923.C9.p1.gs	myb_dna-binding(HMM:5.9e-09)
18815	OJ990407_02.9923.C33.p2.gs	myb_dna-binding(HMM:0.024)
18816	OJ990407_02.9923.C4.p1.gs	myb_dna-binding(HMM:8.8e-14)
18817	OJ990407_03.0420.C71.p1.gs	myb_dna-binding(HMM:6.5e-08)
18818	OJ990407_03.0420.C8.p1.gs	myb_dna-binding(HMM:4.7e-43)
18819	OJ990407_03.9819.C5.p1.gs	myb_dna-binding(HMM:4.7e-43)
18820	OJ990415_02.0103.C3.p7.gs	myb_dna-binding(HMM:5.4e-18)
18821	OJ990419_11.9923.C10.p1.gs	myb_dna-binding(HMM:5.4e-05)
18822	OJ990423_05.9C10.C14.p3.gs	myb_dna-binding(HMM:2.8e-43)
18823	OJ990423_05.9C10.C38.p1.gs	myb_dna-binding(HMM:0.00057)
18824	OJ990426_20.9924.C6.p4.gs	myb_dna-binding(HMM:2.1e-19)
18825	OJ990430_26.9B12.C3.p4.gs	myb_dna-binding(HMM:0.018)
18826	OJ990501_23.9C03.C1.p5.gs	myb_dna-binding(HMM:1.6e-07)
18827	OJ990503_28.9924.C2.p2.gs	myb_dna-binding(HMM:0.0022)
18828	OJ990520_01.9B12.C27.p2.gs	myb_dna-binding(HMM:2.1e-11)
18829	OJ990520_12.9A19.C2.p2.gs	myb_dna-binding(HMM:1.5e-37)
18830	OJ990527_20.0419.C28.p1.gs	myb_dna-binding(HMM:5.7e-12)
18831	OJ990527_23.9C10.C1.p3.gs	myb_dna-binding(HMM:3.6e-35)
18832	OJ990527_23.9C10.C9.p2.gs	myb_dna-binding(HMM:0.0044)
18833	OJ990528_20.9B10.C7.p2.gs	myb_dna-binding(HMM:1e-27)

18834	OJ990528_25.9B19.C8.p1.gs	myb_dna-binding(HMM:7.6e-12)
18835	OJ990602_02.0421.C21.p3.gs	myb_dna-binding(HMM:2.1e-41)
18836	OJ990602_02.9C20.C21.p3.gs	myb_dna-binding(HMM:2.1e-41)
18837	OJ990602_03.0107.C20.p1.gs	myb_dna-binding(HMM:0.0062)
18838	OJ990605_41.0225.C5.p11.gs	myb_dna-binding(HMM:0.0089)
18839	OJ990605_41.0225.C5.p2.gs	myb_dna-binding(HMM:2.5e-36)
18840	OJ990605_42.9C03.C4.p4.gs	myb_dna-binding(HMM:2.7e-10)
18841	OJ990612_34.9A01.C4.p1.gs	myb_dna-binding(HMM:6.1e-41)
18842	OJ990617_05.9924.C14.p1.gs	myb_dna-binding(HMM:5.9e-20)
18843	OJ990617_14.9B23.C10.p1.gs	myb_dna-binding(HMM:1.1)
18844	OJ990621_04.9C03.C20.p1.gs	myb_dna-binding(HMM:3.8e-20)
18845	OJ990703_46.9A03.C5.p2.gs	myb_dna-binding(HMM:4e-09)
18846	OJ990703_47.9C16.C3.p1.gs	myb_dna-binding(HMM:5.5e-12)
18847	OJ990708_12.9919.C4.p3.gs	myb_dna-binding(HMM:4.7e-37)
18848	OJ990713_04.9C17.C21.p1.gs	myb_dna-binding(HMM:2.1e-11)
18849	OJ990713_11.9B12.C13.p1.gs	myb_dna-binding(HMM:5.6e-06)
18850	OJ990730_08.9C10.C3.p10.gs	myb_dna-binding(HMM:2.1e-11)
18851	OJ990730_14.0419.C28.p1.gs	myb_dna-binding(HMM:0.092)
18852	OJ990802_13.9920.C1.p16.gs	myb_dna-binding(HMM:0.05)
18853	OJ990808_36.9C20.C8.p5.gs	myb_dna-binding(HMM:1.2e-36)
18854	OJ990808_57.0118.C7.p1.gs	myb_dna-binding(HMM:3.8e-20)
18855	OJ990817_02.9A01.C10.p2.gs	myb_dna-binding(HMM:8.3e-41)
18856	OJ990817_11.9C09.C5.p4.gs	myb_dna-binding(HMM:0.0098)
18857	OJ990821_49.0128.C15.p2.gs	myb_dna-binding(HMM:0.0053)
18858	OJ990822_47.0103.C2.p1.gs	myb_dna-binding(HMM:5.9e-43)
18859	OJ990826_04.9B03.C24.p2.gs	myb_dna-binding(HMM:5.4e-05)
18860	OJ990827_09.0103.C7.p2.gs	myb_dna-binding(HMM:1.5e-37)
18861	OJ990830_12.9C03.C13.p1.gs	myb_dna-binding(HMM:9.2e-41)
18862	OJ990901_05.9B10.C14.p2.gs	myb_dna-binding(HMM:4e-09)
18863	OJ990903_09.9B04.C8.p1.gs	myb_dna-binding(HMM:1.2e-40)
18864	OJ990903_11.9C01.C17.p11.gs	myb_dna-binding(HMM:1.9e-24)
18865	OJ990907_09.9B19.C14.p1.gs	myb_dna-binding(HMM:2.3e-37)
18866	OJ990907_11.0103.C13.p4.gs	myb_dna-binding(HMM:0.025)
18867	OJ990914_18.9B24.C2.p1.gs	myb_dna-binding(HMM:5.6e-06)
18868	OJ990915_02.9A18.C18.p1.gs	myb_dna-binding(HMM:0.00023)
18869	OJ990917_16.9B08.C15.p2.gs	myb_dna-binding(HMM:0.0065)
18870	OJ990920_18.9C06.C35.p1.gs	myb_dna-binding(HMM:5.6e-06)
18871	OJ990920_19.9B02.C24.p3.gs	myb_dna-binding(HMM:8.3e-41)
18872	OJ990923_12.9C01.C6.p4.gs	myb_dna-binding(HMM:4.2e-19)
18873	OJ990929_01.9C17.C26.p2.gs	myb_dna-binding(HMM:1.1e-24)
18874	OJ990929_01.9C17.C40.p1.gs	myb_dna-binding(HMM:2.2e-13)
18875	OJ990930_19.9B12.C17.p1.gs	myb_dna-binding(HMM:3.5e-32)
18876	OJ991008_03.0207.C32.p2.gs	myb_dna-binding(HMM:3.7e-45)
18877	OJ991008_04.0121.C44.p1.gs	myb_dna-binding(HMM:8.5e-22)
18878	OJ991012_10.0127.C2.p1.gs	myb_dna-binding(HMM:1.1e-11)
18879	OJ991019_16.0118.C16.p1.gs	myb_dna-binding(HMM:5.9e-09)
18880	OJ991019_19.0306.C17.p1.gs	myb_dna-binding(HMM:5.9e-09)
18881	OJ991019_20.0419.C29.p2.gs	myb_dna-binding(HMM:9.7e-38)
18882	OJ991020_16.0218.C10.p1.gs	myb_dna-binding(HMM:3e-06)
18883	OJ991022_02.0211.C16.p1.gs	myb_dna-binding(HMM:4.7e-43)
18884	OJ991026_16.0118.C6.p3.gs	myb_dna-binding(HMM:1e-42)
18885	OJ991027_14.0308.C39.p1.gs	myb_dna-binding(HMM:8.2e-06)
18886	OJ991028_05.0211.C8.p1.gs	myb_dna-binding(HMM:0.0065)

18887	OJ991028_14.0118.C7.p6.gs	myb_dna-binding(HMM:8.2e-06)
18888	OJ991029_03.0127.C6.p8.gs	myb_dna-binding(HMM:6.1e-41)
18889	OJ991106_31.9C23.C3.p5.gs	myb_dna-binding(HMM:1.5e-36)
18890	OJ991106_34.9C09.C8.p2.gs	myb_dna-binding(HMM:4.6e-35)
18891	OJ991108_05.0126.C8.p1.gs	myb_dna-binding(HMM:3.8e-20)
18892	OJ991109_12.0105.C4.p2.gs	myb_dna-binding(HMM:0.018)
18893	OJ991109_12.0105.C4.p3.gs	myb_dna-binding(HMM:0.00048)
18894	OJ991109_19.0421.C13.p1.gs	myb_dna-binding(HMM:0.022)
18895	OJ991112_15.0104.C13.p2.gs	myb_dna-binding(HMM:1e-42)
18896	OJ991113_45.0419.C18.p1.gs	myb_dna-binding(HMM:8.4e-36)
18897	OJ991114_31.9C13.C3.p5.gs	myb_dna-binding(HMM:1.3)
18898	OJ991116_05.0330.C7.p7.gs	myb_dna-binding(HMM:8.7e-35)
18899	OJ991116_12.0107.C11.p6.gs	myb_dna-binding(HMM:0.025)
18900	OJ991116_14.0222.C1.p3.gs	myb_dna-binding(HMM:2.7e-12)
18901	OJ991117_14.0410.C4.p1.gs	myb_dna-binding(HMM:1.1e-33)
18902	OJ991119_07.0316.C11.p1.gs	myb_dna-binding(HMM:1.2e-40)
18903	OJ991120_34.0419.C7.p4.gs	myb_dna-binding(HMM:1.5e-16)
18904	OJ991121_41.0421.C5.p1.gs	myb_dna-binding(HMM:7.6e-12)
18905	OJ991121_41.9C28.C5.p1.gs	myb_dna-binding(HMM:7.6e-12)
18906	OJ991121_44.0419.C29.p1.gs	myb_dna-binding(HMM:0.0044)
18907	OJ991122_03.0421.C4.p2.gs	myb_dna-binding(HMM:1.5e-46)
18908	OJ991122_03.9C23.C4.p2.gs	myb_dna-binding(HMM:1.5e-46)
18909	OJ991201_17.0119.C2.p3.gs	myb_dna-binding(HMM:1.2e-18)
18910	OJ991202_08.0421.C25.p1.gs	myb_dna-binding(HMM:0.0065)
18911	OJ991202_08.9C30.C7.p3.gs	myb_dna-binding(HMM:0.0065)
18912	OJ991208_17.0104.C4.p1.gs	myb_dna-binding(HMM:4.7e-43)
18913	OJ991211_50.0403.C1.p2.gs	myb_dna-binding(HMM:1.9e-33)
18914	OJ991214_10.0222.C51.p1.gs	myb_dna-binding(HMM:0.0024)
18915	OJ991214_14.0204.C1.p10.gs	myb_dna-binding(HMM:2.8e-43)
18916	OJ991215_06.0118.C6.p12.gs	myb_dna-binding(HMM:5.8e-40)
18917	OJ994215_15.0127.C46.p1.gs	myb_dna-binding(HMM:1.2e-40)
18918	OJ991216_07.0301.C8.p8.gs	myb_dna-binding(HMM:5.6e-06)
18919	OJ991225_70.0308.C24.p1.gs	myb_dna-binding(HMM:5.6e-06)
18920	OJ991226_43.0315.C36.p1.gs	myb_dna-binding(HMM:0.0065)
18921	OJ000204_18.0225.C8.p3.gs	myb_dna-binding(HMM:4.5e-12),zz(HMM:0.043)
18922	OJ000112_09.0209.C8.p6.gs	nam(HMM:9.5e-67)
18923	OJ000112_09.0303.C5.p7.gs	nam(HMM:9.5e-67)
18924	OJ000112_09.0426.C5.p7.gs	nam(HMM:9.5e-67)
18925	OJ000113_11.0225.C13.p2.gs	nam(HMM:4.2e-87)
18926	OJ000113_25.0223.C14.p9.gs	nam(HMM:6.2e-06)
18927	OJ000118_07.0215.C2.p2.gs	nam(HMM:3.3e-06)
18928	OJ000118_14.0228.C1.p3.gs	nam(HMM:4.8e-11)
18929	OJ000118_14.0331.C1.p3.gs	nam(HMM:4.8e-11)
18930	OJ000118_21.0313.C17.p2.gs	nam(HMM:4.8e-38)
18931	OJ000150_20.0124.C4.p1.gs	nam(HMM:8.3e-09)
18932	OJ000150_22.0124.C86.p2.gs	nam(HMM:8.8e-77)
18933	OJ000150_24.0124.C2.p10.gs	nam(HMM:1e-84)
18934	OJ000204_17.0323.C4.p1.gs	nam(HMM:7.7e-34)
18935	OJ000207_13.0303.C7.p4.gs	nam(HMM:1.1e-41)
18936	OJ000209_02.0314.C24.p3.gs	nam(HMM:2.7e-88)
18937	OJ000211_24.0317.C8.p1.gs	nam(HMM:6.8e-34)
18938	OJ000214_05.0303.C10.p1.gs	nam(HMM:3e-77)

OJ000223_03.0330.C22.p3.gs	nam(HMM:3.1e-41)
OJ000228_07.0410.C6.p2.gs	nam(HMM:2.8e-58)
OJ000229_02.0323.C6.p1.gs	nam(HMM:1e-71)
OJ000229_24.0419.C20.p1.gs	nam(HMM:1.1e-83)
OJ000229_24.0419.C3.p1.gs	nam(HMM:2.4e-86)
OJ000250_39.0223.C10.p4.gs	nam(HMM:1.8e-64)
OJ000250_49.0214.C7.p2.gs	nam(HMM:3.6e-61)
OJ000250_61.0419.C22.p2.gs	nam(HMM:2.3e-87)
OJ000250_73.0214.C5.p7.gs	nam(HMM:8.4e-65)
OJ000251_06.0419.C162.p2.gs	nam(HMM:1.3e-83)
OJ000251_18.0419.C10.p2.gs	nam(HMM:7.5e-05)
OJ000251_18.0419.C11.p1.gs	nam(HMM:0.005)
OJ000302_09.0414.C4.p4.gs	nam(HMM:5.1e-58)
OJ000303_22.0419.C12.p1.gs	nam(HMM:9.5e-76)
OJ000303_22.0419.C14.p1.gs	nam(HMM:9.5e-88)
OJ000303_28.0419.C18.p2.gs	nam(HMM:3.6e-61)
OJ000307_28.0417.C3.p3.gs	nam(HMM:1.7e-05)
OJ000308_22.0419.C15.p4.gs	nam(HMM:1.8e-64)
OJ000310_04.0419.C8.p1.gs	nam(HMM:1.1e-16)
OJ000310_04.0419.C9.p1.gs	nam(HMM:0.0081)
OJ000313_08.0417.C6.p7.gs	nam(HMM:6.2e-06)
OJ000313_19.0419.C59.p1.gs	nam(HMM:3.2e-47)
OJ000314_10.0411.C6.p1.gs	nam(HMM:3.7e-08)
OJ000314_10.0420.C3.p1.gs	nam(HMM:3.7e-08)
OJ000314_15.0419.C32.p1.gs	nam(HMM:9.5e-06)
OJ000314_15.0419.C32.p2.gs	nam(HMM:3.9e-06)
OJ000314_27.0419.C11.p3.gs	nam(HMM:6.3e-44)
OJ000314_37.0412.C5.p2.gs	nam(HMM:4.4e-10)
OJ000314_37.0412.C9.p3.gs	nam(HMM:2.2e-10)
OJ000314_37.0412.C9.p6.gs	nam(HMM:2.2e-10)
OJ000314_37.0420.C5.p2.gs	nam(HMM:4.4e-10)
OJ000314_37.0420.C9.p3.gs	nam(HMM:2.2e-10)
OJ000314_37.0420.C9.p6.gs	nam(HMM:2.2e-10)
OJ000315_11.0419.C14.p2.gs	nam(HMM:4.9e-71)
OJ000315_34.0407.C13.p5.gs	nam(HMM:2.8e-45)
OJ000315_34.0420.C7.p5.gs	nam(HMM:2.8e-45)
OJ000316_07.0419.C11.p1.gs	nam(HMM:8e-58)
OJ000321_03.0417.C3.p2.gs	nam(HMM:3.6e-20)
OJ000321_03.0426.C3.p2.gs	nam(HMM:3.6e-20)
OJ000322_18.0419.C24.p2.gs	nam(HMM:2.2e-10)
OJ000322_18.0419.C4.p2.gs	nam(HMM:4.4e-10)
OJ000327_10.0424.C2.p1.gs	nam(HMM:5.4e-07)
OJ000327_18.0420.C19.p1.gs	nam(HMM:4e-94)
OJ000330_01.0424.C29.p2.gs	nam(HMM:0.0081)
OJ000330_01.0424.C30.p1.gs	nam(HMM:1.3e-10)
OJ000330_14.0419.C34.p1.gs	nam(HMM:1.5e-09)
OJ000330_30.0421.C28.p1.gs	nam(HMM:1.2e-06)
OJ000330_30.0421.C30.p1.gs	nam(HMM:0.032)
OJ000331_24.0424.C16.p1.gs	nam(HMM:3.1e-41)
OJ000350_42.0309.C8.p2.gs	nam(HMM:1.6e-09)
OJ000350_49.0314.C12.p2.gs	nam(HMM:1.8e-05)
OJ000350_49.0414.C12.p5.gs	nam(HMM:1.8e-05)
OJ000350_60.0419.C17.p1.gs	nam(HMM:8.3e-82)
OJ000404_14.0424.C40.p1.gs	nam(HMM:0.00019)

18993	OJ000404_39.0424.C24.p1.gs	nam(HMM:0.0003)
18994	OJ000405_19.0424.C38.p1.gs	nam(HMM:3.7e-88)
18995	OJ000450_12.0410.C1.p8.gs	nam(HMM:3.2e-81)
18996	OJ990203_05.9819.C19.p2.gs	nam(HMM:4.4e-55)
18997	OJ990205_04.9819.C77.p1.gs	nam(HMM:6.6e-36)
18998	OJ990310_08.9819.C21.p2.gs	nam(HMM:2.4e-11)
18999	OJ990310_08.9819.C21.p6.gs	nam(HMM:9.4e-11)
19000	OJ990310_12.9819.C137.p1.gs	nam(HMM:9.5e-05)
19001	OJ990318_16.9819.C4.p6.gs	nam(HMM:1.1e-39)
19002	OJ990319_04.9819.C24.p2.gs	nam(HMM:4.2e-87)
19003	OJ990319_05.9819.C16.p4.gs	nam(HMM:9.6e-87)
19004	OJ990319_06.9C10.C47.p1.gs	nam(HMM:4.2e-87)
19005	OJ990323_14.9A18.C9.p5.gs	nam(HMM:8.8e-41)
19006	OJ990330_15.9923.C11.p1.gs	nam(HMM:1.9e-10)
19007	OJ990402_22.9819.C15.p1.gs	nam(HMM:4.7e-45)
19008	OJ990412_12.9A01.C33.p1.gs	nam(HMM:5.1e-08)
19009	OJ990421_32.9919.C3.p2.gs	nam(HMM:0.022)
19010	OJ990427_01.9A14.C21.p1.gs	nam(HMM:8.3e-09)
19011	OJ990427_01.9A14.C26.p2.gs	nam(HMM:2.2e-06)
19012	OJ990427_24.9922.C2.p3.gs	nam(HMM:3.1e-39)
19013	OJ990429_05.9924.C10.p3.gs	nam(HMM:1e-71)
19014	OJ990501_25.9604.C41.p2.gs	nam(HMM:9.7e-10)
19015	OJ990517_04.9A01.C74.p1.gs	nam(HMM:5.4e-07)
19016	OJ990518_06.9B05.C41.p2.gs	nam(HMM:8.4e-46)
19017	OJ990518_06.9B05.C41.p4.gs	nam(HMM:1e-09)
19018	OJ990518_06.9B05.C41.p7.gs	nam(HMM:2.5e-23)
19019	OJ990518_06.9B05.C44.p1.gs	nam(HMM:9.3e-06)
19020	OJ990520_03.9C23.C51.p2.gs	nam(HMM:6.8e-34)
19021	OJ990524_01.0421.C7.p1.gs	nam(HMM:1.7e-25)
19022	OJ990525_06.0421.C34.p2.gs	nam(HMM:6.4e-08)
19023	OJ990525_06.9C20.C40.p3.gs	nam(HMM:6.4e-08)
19024	OJ990527_22.9B17.C5.p9.gs	nam(HMM:6.2e-06)
19025	OJ990527_26.9C10.C2.p1.gs	nam(HMM:2.9e-85)
19026	OJ990527_26.9C10.C2.p8.gs	nam(HMM:1.6e-81)
19027	OJ990531_31.0419.C102.p3.gs	nam(HMM:1.3e-88)
19028	OJ990531_40.9C03.C1.p7.gs	nam(HMM:6.2e-81)
19029	OJ990601_08.9A22.C43.p2.gs	nam(HMM:2.2e-09)
19030	OJ990605_42.9C03.C3.p10.gs	nam(HMM:3.9e-08)
19031	OJ990608_02.0103.C36.p1.gs	nam(HMM:6.3e-08)
19032	OJ990612_36.9A05.C10.p4.gs	nam(HMM:4e-94)
19033	OJ990617_04.9A01.C3.p1.gs	nam(HMM:6.5e-64)
19034	OJ990617_04.9A01.C5.p1.gs	nam(HMM:9.5e-88)
19035	OJ990630_14.9C03.C3.p3.gs	nam(HMM:8.4e-65)
19036	OJ990704_50.9C17.C6.p1.gs	nam(HMM:4.6)
19037	OJ990705_39.9919.C11.p2.gs	nam(HMM:8.3e-09)
19038	OJ990705_39.9919.C3.p3.gs	nam(HMM:3.3e-06)
19039	OJ990716_10.9922.C5.p2.gs	nam(HMM:6.5e-06)
19040	OJ990723_09.9A14.C9.p3.gs	nam(HMM:1e-71)
19041	OJ990729_01.0114.C4.p2.gs	nam(HMM:9.4e-11)
19042	OJ990729_01.0114.C5.p4.gs	nam(HMM:2.4e-11)
19043	OJ990730_05.9C17.C9.p1.gs	nam(HMM:3.1e-41)
19044	OJ990805_01.9B19.C11.p3.gs	nam(HMM:3.1e-41)
19045	OJ990808_55.0309.C2.p5.gs	nam(HMM:1.6e-09)
19046	OJ990818_12.9924.C8.p1.gs	nam(HMM:2.8e-27)

19047	OJ990821_50.9C21.C4.p5.gs	nam(HMM:1.6e-09)
19048	OJ990822_44.0105.C13.p1.gs	nam(HMM:0.0008)
19049	OJ990826_13.0229.C12.p2.gs	nam(HMM:1.6e-09)
19050	OJ990826_13.0323.C11.p2.gs	nam(HMM:1.6e-09)
19051	OJ990827_07.9C08.C12.p3.gs	nam(HMM:0.0006)
19052	OJ990903_07.9B08.C10.p1.gs	nam(HMM:2.5e-23)
19053	OJ990903_07.9B08.C10.p6.gs	nam(HMM:8.4e-46)
19054	OJ990903_07.9B08.C21.p1.gs	nam(HMM:0.0085)
19055	OJ990903_07.9B08.C23.p1.gs	nam(HMM:1.2e-05)
19056	OJ990909_08.0222.C18.p2.gs	nam(HMM:1.2e-44)
19057	OJ990909_10.0114.C22.p1.gs	nam(HMM:2.8e-85)
19058	OJ990910_18.9C14.C5.p2.gs	nam(HMM:8.4e-65)
19059	OJ990917_17.9C10.C21.p4.gs	nam(HMM:1.3e-83)
19060	OJ990920_11.0131.C10.p7.gs	nam(HMM:7.2e-10)
19061	OJ990920_11.0131.C10.p9.gs	nam(HMM:7.6e-10)
19062	OJ991007_13.0106.C7.p2.gs	nam(HMM:2.9e-85)
19063	OJ991007_18.0120.C4.p8.gs	nam(HMM:4e-62)
19064	OJ991014_01.0111.C7.p3.gs	nam(HMM:5e-37)
19065	OJ991019_16.0118.C21.p4.gs	nam(HMM:1.6e-07)
19066	OJ991019_19.0306.C2.p6.gs	nam(HMM:1.6e-07)
19067	OJ991029_03.0127.C3.p4.gs	nam(HMM:1.3e-09)
19068	OJ991106_32.9C07.C2.p2.gs	nam(HMM:3.7e-14)
19069	OJ991106_32.9C07.C2.p4.gs	nam(HMM:4.7e-07)
19070	OJ991106_46.9C17.C3.p3.gs	nam(HMM:8.8e-77)
19071	OJ991107_45.0203.C15.p1.gs	nam(HMM:6.2e-81)
19072	OJ991108_12.0404.C9.p3.gs	nam(HMM:1.2e-78)
19073	OJ991111_05.0125.C7.p1.gs	nam(HMM:6.8e-34)
19074	OJ991114_36.0128.C4.p3.gs	nam(HMM:2.8e-58)
19075	OJ991118_17.0421.C4.p3.gs	nam(HMM:0.09)
19076	OJ991118_17.9C22.C4.p3.gs	nam(HMM:0.09)
19077	OJ991201_14.0118.C3.p3.gs	nam(HMM:2e-74)
19078	OJ991206_18.0131.C4.p7.gs	nam(HMM:1e-40)
19079	OJ991208_15.0103.C9.p1.gs	nam(HMM:4.6e-38)
19080	OJ991210_06.0110.C33.p2.gs	nam(HMM:8.4e-65)
19081	OJ991211_65.0317.C9.p1.gs	nam(HMM:4.4e-83)
19082	OJ991217_05.0131.C13.p1.gs	nam(HMM:1.2e-06)
19083	OJ991217_05.0131.C13.p4.gs	nam(HMM:4.8e-11)
19084	OJ000150_24.0124.C2.p17.gs	nap_family(HMM:7.4e-29)
19085	OJ000251_15.0321.C7.p4.gs	nap_family(HMM:3.3e-13)
19086	OJ000315_35.0410.C15.p1.gs	nap_family(HMM:2.3e-76)
19087	OJ000315_35.0420.C18.p2.gs	nap_family(HMM:2.3e-76)
19088	OJ000320_40.0413.C13.p11.gs	nap_family(HMM:4.4e-58)
19089	OJ990416_07.9B12.C39.p2.gs	nap_family(HMM:7.4e-29)
19090	Contig1.p1.gs	phd(HMM:0.17)
19091	OJ000102_74.0317.C17.p1.gs	phd(HMM:0.0043)
19092	OJ000102_74.0426.C17.p1.gs	phd(HMM:0.0043)
19093	OJ000112_09.0209.C6.p1.gs	phd(HMM:0.013)
19094	OJ000112_09.0303.C4.p2.gs	phd(HMM:0.013)
19095	OJ000112_09.0426.C4.p2.gs	phd(HMM:0.013)
19096	OJ000114_12.0208.C8.p2.gs	phd(HMM:1.1e-13)
19097	OJ000207_16.0301.C3.p3.gs	phd(HMM:1.4e-05)
19098	OJ000207_17.0306.C15.p1.gs	phd(HMM:1.1e-14)
19099	OJ000207_17.0323.C13.p1.gs	phd(HMM:1.1e-14)
19100	OJ000209_26.0229.C18.p1.gs	phd(HMM:1.9e-14)

19152	OJ000105_15.0207.C5.p12.gs	1.7e-35),zf-c3hc4(HMM:0.0027) phd(HMM:0.06),zf- c3hc4(HMM:1.4e-06)
19153	OJ000105_15.0426.C5.p12.gs	phd(HMM:0.06),zf- c3hc4(HMM:1.4e-06)
19154	OJ000250_27.0208.C18.p1.gs	phd(HMM:0.06),zf- c3hc4(HMM:1.4e-06)
19155	OJ000250_27.0303.C9.p7.gs	phd(HMM:0.06),zf- c3hc4(HMM:1.4e-06)
19156	OJ990807_32.0211.C15.p6.gs	phd(HMM:0.011),zf- c3hc4(HMM:8.2e-18)
19157	OJ990915_02.9A18.C14.p1.gs	phd(HMM:0.06),zf- c3hc4(HMM:1.4e-06)
19158	OJ991020_07.0202.C12.p4.gs	phd(HMM:0.31),zf- c3hc4(HMM:1.2e-11)
19159	OJ991210_01.0110.C1.p2.gs	phd(HMM:0.011),zf- c3hc4(HMM:3.3e-08)
19160	OJ000107_08.0330.C23.p3.gs	response_reg(HMM:9.4e-10)
19161	OJ000107_08.0426.C23.p3.gs	response_reg(HMM:9.4e-10)
19162	OJ000150_17.0124.C41.p1.gs	response_reg(HMM:5.7e-07)
19163	OJ000203_01.0222.C31.p4.gs	response_reg(HMM:1.6e-29)
19164	OJ000208_03.0310.C3.p1.gs	response_reg(HMM:2.2e-32)
19165	OJ000208_25.0419.C37.p1.gs	response_reg(HMM:7.4e-05)
19166	OJ000214_01.0308.C34.p3.gs	response_reg(HMM:5.7e-22)
19167	OJ000217_01.0308.C2.p1.gs	response_reg(HMM:1.6e-06)
19168	OJ000221_23.0317.C14.p2.gs	response_reg(HMM:2.2e-32)
19169	OJ000229_02.0323.C6.p6.gs	response_reg(HMM:5.7e-07)
19170	OJ000250_68.0211.C10.p2.gs	response_reg(HMM:6.4e-19)
19171	OJ000251_23.0216.C33.p1.gs	response_reg(HMM:9.4e-10)
19172	OJ000321_13.0424.C17.p1.gs	response_reg(HMM:5.7e-33)
19173	OJ000324_02.0417.C11.p1.gs	response_reg(HMM:8.1)
19174	OJ000327_05.0419.C4.p2.gs	response_reg(HMM:0.0023)
19175	OJ990203_01.9922.C19.p1.gs	response_reg(HMM:5.8e-16)
19176	OJ990416_04.9819.C5.p2.gs	response_reg(HMM:1.6e-29)
19177	OJ990426_02.0419.C175.p1.gs	response_reg(HMM:3.6e-32)
19178	OJ990426_02.9608.C56.p1.gs	response_reg(HMM:3.6e-32)
19179	OJ990426_31.0419.C35.p1.gs	response_reg(HMM:1.5e-25)
19180	OJ990427_23.9C03.C6.p2.gs	response_reg(HMM:3.6e-32)
19181	OJ990430_11.9A14.C52.p1.gs	response_reg(HMM:0.0055)
19182	OJ990517_09.9C23.C59.p1.gs	response_reg(HMM:3.4e-07)
19183	OJ990527_04.9C17.C30.p1.gs	response_reg(HMM:1.7e-17)
19184	OJ990527_06.0421.C15.p1.gs	response_reg(HMM:1.6e-10)
19185	OJ990723_09.9A14.C5.p1.gs	response_reg(HMM:5.7e-07)
19186	OJ990730_11.9B08.C7.p1.gs	response_reg(HMM:2.2e-29)
19187	OJ990820_06.0215.C12.p1.gs	response_reg(HMM:2.5e-09)
19188	OJ990915_02.9A18.C19.p1.gs	response_reg(HMM:5.7e-07)
19189	OJ991114_35.0419.C16.p2.gs	response_reg(HMM:1.9e-32)
19190	OJ991203_01.0128.C5.p2.gs	response_reg(HMM:1.9e-32)
19191	OJ000103_07.0224.C10.p1.gs	sbpb(HMM:2.8e-10)
19192	OJ000103_07.0426.C10.p1.gs	sbpb(HMM:2.8e-10)
19193	OJ000110_13.0222.C2.p1.gs	sbpb(HMM:1.8e-11)
19194	OJ000110_13.0426.C2.p1.gs	sbpb(HMM:1.8e-11)
19195	OJ000111_20.0215.C12.p2.gs	sbpb(HMM:7.1e-44)
19196	OJ000111_20.0426.C12.p2.gs	sbpb(HMM:7.1e-44)

19197	OJ000223_16.0320.C11.p2.gs	sbpb(HMM:7.1e-44)
19198	OJ000251_51.0217.C10.p2.gs	sbpb(HMM:7e-42)
19199	OJ000302_08.0410.C5.p3.gs	sbpb(HMM:1.1e-07)
19200	OJ000302_21.0419.C16.p2.gs	sbpb(HMM:0.088)
19201	OJ000320_29.0419.C12.p2.gs	sbpb(HMM:3.8e-42)
19202	OJ000324_21.0420.C5.p1.gs	sbpb(HMM:6.3e-38)
19203	OJ990331_10.9A01.C5.p10.gs	sbpb(HMM:7e-42)
19204	OJ990503_26.9B02.C8.p1.gs	sbpb(HMM:0.088)
19205	OJ990515_20.9924.C4.p4.gs	sbpb(HMM:1.7e-40)
19206	OJ990726_09.9B05.C2.p1.gs	sbpb(HMM:8.9e-33)
19207	OJ990822_51.9C23.C2.p1.gs	sbpb(HMM:1.1e-41)
19208	OJ990907_11.0103.C10.p2.gs	sbpb(HMM:7.5e-20)
19209	OJ990915_04.9B04.C7.p2.gs	sbpb(HMM:1.3e-23)
19210	OJ991026_06.0218.C10.p2.gs	sbpb(HMM:7e-42)
19211	OJ991116_12.0107.C7.p4.gs	sbpb(HMM:7.5e-20)
19212	OJ991206_04.0421.C6.p1.gs	sbpb(HMM:9.3e-45)
19213	OJ991206_04.9C30.C16.p1.gs	sbpb(HMM:9.3e-45)
19214	OJ991206_14.0215.C53.p12.gs	sbpb(HMM:9.3e-45)
19215	OJ991206_18.0131.C16.p1.gs	sbpb(HMM:1.7e-40)
19216	OJ000107_03.0207.C12.p1.gs	scr(HMM:5.7e-11)
19217	OJ000107_03.0207.C2.p1.gs	scr(HMM:1.3e-143)
19218	OJ000107_03.0207.C3.p3.gs	scr(HMM:1.7e-103)
19219	OJ000107_03.0207.C5.p1.gs	scr(HMM:2.2e-140)
19220	OJ000107_03.0207.C5.p2.gs	scr(HMM:1.3e-100)
19221	OJ000107_03.0207.C6.p1.gs	scr(HMM:4.1e-104)
19222	OJ000107_03.0310.C5.p1.gs	scr(HMM:1.3e-143)
19223	OJ000107_03.0310.C6.p3.gs	scr(HMM:7.1e-111)
19224	OJ000107_03.0310.C7.p2.gs	scr(HMM:2.2e-140)
19225	OJ000107_03.0310.C7.p3.gs	scr(HMM:1.3e-100)
19226	OJ000107_03.0310.C7.p4.gs	scr(HMM:1.9e-104)
19227	OJ000107_03.0426.C5.p1.gs	scr(HMM:1.3e-143)
19228	OJ000107_03.0426.C6.p3.gs	scr(HMM:7.1e-111)
19229	OJ000107_03.0426.C7.p2.gs	scr(HMM:2.2e-140)
19230	OJ000107_03.0426.C7.p3.gs	scr(HMM:1.3e-100)
19231	OJ000107_03.0426.C7.p4.gs	scr(HMM:1.9e-104)
19232	OJ000114_11.0217.C4.p1.gs	scr(HMM:6.2e-95)
19233	OJ000114_11.0217.C5.p1.gs	scr(HMM:0.0013)
19234	OJ000118_07.0215.C1.p4.gs	scr(HMM:1e-78)
19235	OJ000122_43.0303.C6.p3.gs	scr(HMM:2.2e-13)
19236	OJ000150_05.0124.C11.p1.gs	scr(HMM:2.6e-12)
19237	OJ000150_05.0124.C11.p3.gs	scr(HMM:2.1e-46)
19238	OJ000150_05.0421.C10.p1.gs	scr(HMM:2.6e-12)
19239	OJ000150_05.0421.C10.p3.gs	scr(HMM:2.1e-46)
19240	OJ000150_20.0124.C2.p1.gs	scr(HMM:1.4e-112)
19241	OJ000209_11.0307.C10.p1.gs	scr(HMM:1.7e-08)
19242	OJ000209_11.0307.C10.p4.gs	scr(HMM:2e-86)
19243	OJ000214_02.0321.C7.p1.gs	scr(HMM:3.2)
19244	OJ000214_28.0306.C14.p1.gs	scr(HMM:3.2e-07)
19245	OJ000216_07.0323.C1.p8.gs	scr(HMM:1.3e-103)
19246	OJ000221_20.0314.C9.p2.gs	scr(HMM:0.014)
19247	OJ000222_15.0406.C2.p2.gs	scr(HMM:2e-156)
19248	OJ000250_90.0214.C63.p1.gs	scr(HMM:2.2e-05)
19249	OJ000250_90.0214.C64.p2.gs	scr(HMM:7.6e-43)
19250	OJ000251_48.0228.C31.p9.gs	scr(HMM:6.8e-112)

19251	OJ000303_22.0419.C20.p1.gs	scr(HMM:2.4e-25)
19252	OJ000303_22.0419.C20.p2.gs	scr(HMM:2.2e-12)
19253	OJ000303_26.0411.C7.p3.gs	scr(HMM:1.3e-114)
19254	OJ000307_18.0410.C8.p1.gs	scr(HMM:9.5e-36)
19255	OJ000307_18.0420.C8.p1.gs	scr(HMM:9.5e-36)
19256	OJ000310_37.0419.C17.p2.gs	scr(HMM:1.3e-49)
19257	OJ000315_06.0413.C10.p1.gs	scr(HMM:2.6e-149)
19258	OJ000315_06.0420.C13.p1.gs	scr(HMM:2.6e-149)
19259	OJ000316_29.0424.C43.p1.gs	scr(HMM:1.4e-20)
19260	OJ000322_13.0420.C43.p1.gs	scr(HMM:1.6e-10)
19261	OJ000322_17.0419.C15.p1.gs	scr(HMM:1.3e-75)
19262	OJ000322_17.0419.C16.p1.gs	scr(HMM:2.7e-07)
19263	OJ000322_17.0419.C18.p1.gs	scr(HMM:8.6e-41)
19264	OJ000322_17.0419.C27.p1.gs	scr(HMM:3.2e-56)
19265	OJ000322_17.0419.C36.p2.gs	scr(HMM:4e-141)
19266	OJ000324_20.0419.C19.p2.gs	scr(HMM:5.7e-07)
19267	OJ000324_37.0419.C14.p1.gs	scr(HMM:1.3e-114)
19268	OJ000327_15.0424.C21.p1.gs	scr(HMM:1.1e-12)
19269	OJ000327_16.0420.C29.p1.gs	scr(HMM:2.6e-155)
19270	OJ000327_36.0418.C2.p2.gs	scr(HMM:7.7e-80)
19271	OJ000329_02.0418.C15.p2.gs	scr(HMM:7.7e-80)
19272	OJ000331_10.0419.C11.p1.gs	scr(HMM:2e-156)
19273	OJ990204_02.9819.C33.p2.gs	scr(HMM:3.1)
19274	OJ990301_09.9819.C7.p1.gs	scr(HMM:2.5e-29)
19275	OJ990318_06.0228.C7.p1.gs	scr(HMM:5.2e-09)
19276	OJ990330_14.0103.C7.p5.gs	scr(HMM:5.1e-14)
19277	OJ990331_08.9922.C15.p1.gs	scr(HMM:6.8e-10)
19278	OJ990402_02.9B05.C13.p3.gs	scr(HMM:9.9e-09)
19279	OJ990405_10.9819.C11.p3.gs	scr(HMM:3.9e-144)
19280	OJ990405_12.9819.C11.p1.gs	scr(HMM:0.0018)
19281	OJ990406_07.9C10.C31.p3.gs	scr(HMM:0.00011)
19282	OJ990414_06.9C10.C4.p1.gs	scr(HMM:1.2e-68)
19283	OJ990414_10.9819.C9.p1.gs	scr(HMM:0.49)
19284	OJ990414_11.9819.C18.p1.gs	scr(HMM:6.7e-135)
19285	OJ990415_08.9922.C11.p8.gs	scr(HMM:1.4e-133)
19286	OJ990421_11.9923.C10.p1.gs	scr(HMM:4.1e-77)
19287	OJ990421_11.9923.C25.p2.gs	scr(HMM:0.00015)
19288	OJ990422_26.9924.C14.p1.gs	scr(HMM:2.6e-59)
19289	OJ990423_04.9919.C9.p3.gs	scr(HMM:1.1e-97)
19290	OJ990427_01.9A14.C22.p1.gs	scr(HMM:0.00013)
19291	OJ990428_02.9A29.C11.p5.gs	scr(HMM:2.6e-22)
19292	OJ990430_24.9924.C10.p2.gs	scr(HMM:3.2e-21)
19293	OJ990520_13.9922.C5.p3.gs	scr(HMM:1.7e-30)
19294	OJ990520_25.9C17.C3.p2.gs	scr(HMM:0.00013)
19295	OJ990528_06.9C03.C33.p3.gs	scr(HMM:7.5e-158)
19296	OJ990617_05.9924.C16.p3.gs	scr(HMM:2e-156)
19297	OJ990617_06.9A27.C50.p1.gs	scr(HMM:2.3e-19)
19298	OJ990627_38.9B19.C3.p5.gs	scr(HMM:2.1e-30)
19299	OJ990627_41.9919.C7.p1.gs	scr(HMM:2.2)
19300	OJ990705_39.9919.C11.p7.gs	scr(HMM:2.9e-98)
19301	OJ990715_06.9A01.C6.p2.gs	scr(HMM:2.6e-32)
19302	OJ990723_10.9C01.C11.p2.gs	scr(HMM:3.9e-144)
19303	OJ990816_08.0419.C14.p1.gs	scr(HMM:9.3e-60)
19304	OJ990816_09.9B19.C35.p1.gs	scr(HMM:2.6e-37)

19305	OJ990818_05.9C01.C11.p4.gs	scr(HMM:3.2e-142)
19306	OJ990818_05.9C01.C11.p5.gs	scr(HMM:2e-118)
19307	OJ990818_09.9B08.C11.p1.gs	scr(HMM:1.1e-12)
19308	OJ990823_06.9B03.C17.p1.gs	scr(HMM:2.4e-11)
19309	OJ990826_01.9C28.C11.p1.gs	scr(HMM:7.7e-15)
19310	OJ990830_10.9C13.C6.p1.gs	scr(HMM:5.1e-56)
19311	OJ990907_10.0128.C10.p2.gs	scr(HMM:0.0034)
19312	OJ990907_16.9B23.C9.p4.gs	scr(HMM:0.0012)
19313	OJ991001_02.0202.C10.p1.gs	scr(HMM:6.6e-36)
19314	OJ991006_02.0113.C2.p5.gs	scr(HMM:1.7e-31)
19315	OJ991008_04.0121.C11.p2.gs	scr(HMM:1.8e-29)
19316	OJ991014_01.0111.C11.p5.gs	scr(HMM:6.6e-98)
19317	OJ991107_32.9C13.C2.p2.gs	scr(HMM:7.5e-158)
19318	OJ991112_08.0421.C1.p1.gs	scr(HMM:3.4e-31)
19319	OJ991112_08.9C22.C1.p1.gs	scr(HMM:1.9e-29)
19320	OJ991208_06.0107.C14.p1.gs	scr(HMM:0.0041)
19321	OJ991208_06.0107.C8.p4.gs	scr(HMM:0.0012)
19322	OJ991211_57.0228.C31.p1.gs	scr(HMM:2.1e-27)
19323	OJ991215_06.0118.C6.p18.gs	scr(HMM:2.6e-05)
19324	OJ000105_15.0207.C2.p2.gs	set(HMM:0.00081)
19325	OJ000105_15.0207.C3.p1.gs	set(HMM:5.3)
19326	OJ000105_15.0426.C2.p2.gs	set(HMM:0.00081)
19327	OJ000105_15.0426.C3.p1.gs	set(HMM:5.3)
19328	OJ000106_11.0413.C14.p3.gs	set(HMM:0.0023)
19329	OJ000106_11.0426.C14.p3.gs	set(HMM:0.0023)
19330	OJ000107_15.0222.C15.p2.gs	set(HMM:2.4e-36)
19331	OJ000107_15.0426.C15.p2.gs	set(HMM:2.4e-36)
19332	OJ000150_28.0124.C55.p3.gs	set(HMM:0.0023)
19333	OJ000150_28.0323.C55.p3.gs	set(HMM:0.0023)
19334	OJ000250_27.0208.C10.p2.gs	set(HMM:2.5e-12)
19335	OJ000250_27.0303.C6.p2.gs	set(HMM:2.5e-12)
19336	OJ000250_59.0214.C32.p3.gs	set(HMM:1.9e-30)
19337	OJ000250_85.0214.C14.p3.gs	set(HMM:0.0023)
19338	OJ000251_08.0218.C39.p1.gs	set(HMM:1.5e-16)
19339	OJ000302_02.0419.C20.p3.gs	set(HMM:5.6e-55)
19340	OJ000303_07.0419.C22.p3.gs	set(HMM:1.4e-32)
19341	OJ000306_05.0419.C14.p1.gs	set(HMM:1.4e-32)
19342	OJ000306_06.0403.C2.p1.gs	set(HMM:1.4e-32)
19343	OJ000310_06.0417.C11.p1.gs	set(HMM:1.1e-05)
19344	OJ000314_10.0411.C13.p1.gs	set(HMM:0.005)
19345	OJ000314_10.0420.C7.p1.gs	set(HMM:0.005)
19346	OJ000320_11.0419.C25.p1.gs	set(HMM:0.00036)
19347	OJ000321_03.0417.C2.p7.gs	set(HMM:1.3e-33)
19348	OJ000321_03.0426.C2.p7.gs	set(HMM:1.3e-33)
19349	OJ000321_21.0419.C9.p1.gs	set(HMM:1.5e-46)
19350	OJ000350_56.0322.C3.p3.gs	set(HMM:1.8e-46)
19351	OJ990311_06.0131.C68.p1.gs	set(HMM:3.8e-43)
19352	OJ990317_09.0421.C23.p3.gs	set(HMM:6.1e-57)
19353	OJ990317_09.9C20.C23.p3.gs	set(HMM:6.1e-57)
19354	OJ990406_06.9819.C22.p1.gs	set(HMM:2.1e-33)
19355	OJ990421_27.9B19.C13.p3.gs	set(HMM:3.5e-47)
19356	OJ990427_10.9927.C32.p1.gs	set(HMM:0.01)
19357	OJ990427_10.9927.C33.p1.gs	set(HMM:0.00012)
19358	OJ990428_08.9924.C35.p2.gs	set(HMM:2.1e-33)

19359	OJ990428_08.9924.C48.p1.gs	set(HMM:0.00076)
19360	OJ990430_01.9C03.C64.p1.gs	set(HMM:9.6e-05)
19361	OJ990502_29.9924.C2.p3.gs	set(HMM:3.5e-54)
19362	OJ990504_02.9A01.C24.p1.gs	set(HMM:6e-32)
19363	OJ990504_07.9C27.C5.p1.gs	set(HMM:2.1e-33)
19364	OJ990504_07.9C27.C54.p1.gs	set(HMM:6.6e-07)
19365	OJ990520_35.9922.C6.p3.gs	set(HMM:5.6e-55)
19366	OJ990524_07.0128.C11.p1.gs	set(HMM:1.9e-36)
19367	OJ990528_13.9C10.C29.p1.gs	set(HMM:7.6e-08)
19368	OJ990528_31.9919.C9.p1.gs	set(HMM:0.00012)
19369	OJ990708_04.9A01.C11.p1.gs	set(HMM:9.6e-05)
19370	OJ990722_13.9C03.C2.p1.gs	set(HMM:9e-12)
19371	OJ990810_10.9C23.C6.p1.gs	set(HMM:1.8e-46)
19372	OJ990903_12.9C01.C11.p1.gs	set(HMM:5.8e-45)
19373	OJ990915_17.9C23.C6.p1.gs	set(HMM:2.5e-17)
19374	OJ990915_17.9C23.C7.p1.gs	set(HMM:2e-08)
19375	OJ991021_11.0218.C10.p1.gs	set(HMM:5.5e-07)
19376	OJ991021_11.0218.C11.p1.gs	set(HMM:7.5e-08)
19377	OJ991101_12.0218.C10.p1.gs	set(HMM:3.5e-47)
19378	OJ991111_01.0218.C2.p5.gs	set(HMM:2.4e-17)
19379	OJ991111_04.0125.C2.p3.gs	set(HMM:2.4e-17)
19380	OJ991121_39.0229.C40.p1.gs	set(HMM:4.4e-22)
19381	OJ991201_06.0103.C13.p1.gs	set(HMM:0.00075)
19382	OJ991201_08.9C23.C2.p3.gs	set(HMM:6.1e-57)
19383	OJ991208_08.0128.C5.p1.gs	set(HMM:6e-32)
19384	OJ991209_08.0222.C4.p2.gs	set(HMM:6e-32)
19385	OJ991209_13.0301.C3.p12.gs	set(HMM:2.5e-37)
19386	OJ990301_10.9B03.C4.p2.gs	set(HMM:1.9e-36),zf- c2h2(HMM:1.2e-08)
19387	OJ000107_04.0210.C25.p1.gs	snf2_n(HMM:2.5e-20)
19388	OJ000107_04.0210.C28.p1.gs	snf2_n(HMM:0.0019)
19389	OJ000107_04.0426.C25.p1.gs	snf2_n(HMM:2.5e-20)
19390	OJ000107_04.0426.C28.p1.gs	snf2_n(HMM:0.0019)
19391	OJ000114_15.0310.C7.p5.gs	snf2_n(HMM:7.9e-85)
19392	OJ000204_08.0317.C4.p2.gs	snf2_n(HMM:4.8e-53)
19393	OJ000204_26.0307.C4.p1.gs	snf2_n(HMM:3.3e-89)
19394	OJ000207_17.0306.C17.p1.gs	snf2_n(HMM:1.4e-26)
19395	OJ000209_26.0229.C11.p1.gs	snf2_n(HMM:1.1e-28)
19396	OJ000210_17.0322.C21.p4.gs	snf2_n(HMM:1.7e-140)
19397	OJ000211_02.0327.C12.p1.gs	snf2_n(HMM:4e-14)
19398	OJ000250_15.0222.C8.p1.gs	snf2_n(HMM:6.6e-18)
19399	OJ000250_59.0214.C31.p1.gs	snf2_n(HMM:0.0031)
19400	OJ000250_59.0214.C32.p1.gs	snf2_n(HMM:5.6e-18)
19401	OJ000251_35.0218.C49.p1.gs	snf2_n(HMM:5.3e-18)
19402	OJ000314_10.0411.C2.p1.gs	snf2_n(HMM:2.4e-07)
19403	OJ000314_10.0411.C3.p1.gs	snf2_n(HMM:6.4e-60)
19404	OJ000314_10.0420.C1.p2.gs	snf2_n(HMM:1.1e-60)
19405	OJ000315_15.0424.C12.p1.gs	snf2_n(HMM:1.5e-66)
19406	OJ000321_27.0419.C10.p1.gs	snf2_n(HMM:3e-11)
19407	OJ000327_27.0417.C11.p1.gs	snf2_n(HMM:0.00023)
19408	OJ000330_24.0419.C10.p1.gs	snf2_n(HMM:5.3e-06)
19409	OJ000350_62.0404.C6.p8.gs	snf2_n(HMM:7.9e-85)
19410	OJ000350_67.0328.C17.p1.gs	snf2_n(HMM:6.6e-18)
19411	OJ990323_18.0419.C7.p1.gs	snf2_n(HMM:8.9e-103)

19412	OJ990423_06.9819.C10.p3.gs	snf2_n(HMM:1.7e-140)
19413	OJ990423_06.9819.C11.p1.gs	snf2_n(HMM:1.1e-13)
19414	OJ990423_06.9819.C26.p1.gs	snf2_n(HMM:2.7e-24)
19415	OJ990428_26.9819.C16.p1.gs	snf2_n(HMM:0.00073)
19416	OJ990503_03.9A01.C4.p1.gs	snf2_n(HMM:0.094)
19417	OJ990517_13.9A08.C12.p1.gs	snf2_n(HMM:1.7e-16)
19418	OJ990517_13.9A08.C6.p3.gs	snf2_n(HMM:1e-97)
19419	OJ990520_22.9A22.C6.p1.gs	snf2_n(HMM:0.013)
19420	OJ990617_13.9B24.C1.p2.gs	snf2_n(HMM:0.081)
19421	OJ990618_12.9921.C48.p1.gs	snf2_n(HMM:5.4e-73)
19422	OJ990619_53.9A29.C12.p1.gs	snf2_n(HMM:6.9e-20)
19423	OJ990721_06.9B05.C3.p1.gs	snf2_n(HMM:1.9e-42)
19424	OJ990808_45.9C06.C7.p1.gs	snf2_n(HMM:5.8e-06)
19425	OJ990903_13.0225.C30.p1.gs	snf2_n(HMM:5.4e-134)
19426	OJ991015_03.0302.C2.p1.gs	snf2_n(HMM:1.4e-07)
19427	OJ991022_17.0225.C19.p1.gs	snf2_n(HMM:4e-57)
19428	OJ991113_45.0419.C5.p1.gs	snf2_n(HMM:9.8e-05)
19429	OJ991215_18.0306.C28.p3.gs	snf2_n(HMM:1.4e-110)
19430	OJ000103_03.0204.C2.p6.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19431	OJ000103_03.0426.C2.p6.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19432	OJ000250_59.0214.C30.p13.gs	snf2_n(HMM:2.9e-06),zf- c3hc4(HMM:1.4e-06)
19433	OJ000250_70.0214.C7.p3.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19434	OJ000250_70.0303.C3.p3.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19435	OJ000302_03.0407.C10.p2.gs	snf2_n(HMM:2e-96),zf- c3hc4(HMM:0.00054)
19436	OJ000320_32.0419.C1.p1.gs	snf2_n(HMM:1.6e-12),zf- c3hc4(HMM:7.9e-05)
19437	OJ000350_43.0317.C20.p1.gs	snf2_n(HMM:5.4e-73),zf- c3hc4(HMM:6.3e-10)
19438	OJ990405_09.9819.C35.p1.gs	snf2_n(HMM:2.3e-73),zf- c3hc4(HMM:6.3e-10)
19439	OJ990517_12.9A29.C9.p4.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19440	OJ990527_20.0419.C58.p2.gs	snf2_n(HMM:5.4e-73),zf- c3hc4(HMM:6.3e-10)
19441	OJ990619_46.0103.C7.p3.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19442	OJ990826_03.0103.C11.p2.gs	snf2_n(HMM:2.2e-11),zf- c3hc4(HMM:1.4e-09)
19443	OJ991028_10.0118.C2.p1.gs	snf2_n(HMM:1.8e-94),zf- c3hc4(HMM:7.9e-05)
19444	OJ991119_18.9C21.C30.p2.gs	snf2_n(HMM:1.1e-94),zf- c3hc4(HMM:7.9e-05)
19445	OJ000150_15.0124.C22.p1.gs	srf-tf(HMM:5.3e-35)
19446	OJ000150_17.0124.C78.p1.gs	srf-tf(HMM:0.46)
19447	OJ000150_31.0124.C11.p1.gs	srf-tf(HMM:0.075)
19448	OJ000150_31.0124.C16.p1.gs	srf-tf(HMM:0.075)
19449	OJ000150_31.0124.C18.p2.gs	srf-tf(HMM:0.46)
19450	OJ000150_31.0124.C19.p1.gs	srf-tf(HMM:0.76)

19451	OJ000150_31.0124.C41.p1.gs	srf-tf(HMM:0.46)
19452	OJ000209_23.0320.C9.p1.gs	srf-tf(HMM:8.7e-28)
19453	OJ000211_08.0323.C11.p2.gs	srf-tf(HMM:8.7e-09)
19454	OJ000217_13.0320.C4.p4.gs	srf-tf(HMM:1.2e-26)
19455	OJ000224_03.0404.C5.p1.gs	srf-tf(HMM:2.4e-23)
19456	OJ000250_82.0320.C49.p1.gs	srf-tf(HMM:6.1e-34)
19457	OJ000301_17.0410.C6.p1.gs	srf-tf(HMM:1.6e-15)
19458	OJ000320_03.0419.C35.p1.gs	srf-tf(HMM:3.9)
19459	OJ990202_02.9819.C25.p1.gs	srf-tf(HMM:2e-15)
19460	OJ990318_15.9819.C2.p5.gs	srf-tf(HMM:0.0013)
19461	OJ990421_05.9C03.C12.p1.gs	srf-tf(HMM:2e-17)
19462	OJ990421_05.9C03.C38.p1.gs	srf-tf(HMM:1.4e-21)
19463	OJ990510_04.9919.C18.p3.gs	srf-tf(HMM:0.00063)
19464	OJ990510_04.9919.C19.p2.gs	srf-tf(HMM:0.46)
19465	OJ990510_04.9919.C20.p3.gs	srf-tf(HMM:0.075)
19466	OJ990527_36.9922.C5.p1.gs	srf-tf(HMM:1.6e-15)
19467	OJ990618_10.9C10.C14.p1.gs	srf-tf(HMM:1.4e-13)
19468	OJ990713_05.9924.C3.p3.gs	srf-tf(HMM:2.7e-12)
19469	OJ990822_51.9C23.C7.p2.gs	srf-tf(HMM:1.9e-17)
19470	OJ990823_06.9B03.C13.p1.gs	srf-tf(HMM:1.5e-38)
19471	OJ990826_02.9B04.C1.p1.gs	srf-tf(HMM:1.7)
19472	OJ990914_19.9B01.C2.p3.gs	srf-tf(HMM:5.3e-36)
19473	OJ990915_06.9B15.C22.p1.gs	srf-tf(HMM:3.5e-14)
19474	OJ990923_18.9B12.C11.p1.gs	srf-tf(HMM:0.76)
19475	OJ990923_18.9B12.C12.p2.gs	srf-tf(HMM:0.075)
19476	OJ991011_14.0207.C11.p1.gs	srf-tf(HMM:3.1e-38)
19477	OJ991012_15.0225.C4.p1.gs	srf-tf(HMM:1.3e-14)
19478	OJ991112_16.0104.C7.p4.gs	srf-tf(HMM:8e-22)
19479	OJ991117_15.0331.C5.p1.gs	srf-tf(HMM:1.6e-15)
19480	OJ991208_14.0104.C2.p2.gs	srf-tf(HMM:0.46)
19481	OJ991208_14.0104.C20.p4.gs	srf-tf(HMM:0.075)
19482	OJ991214_09.0112.C5.p6.gs	srf-tf(HMM:0.075)
19483	OJ991214_09.0112.C5.p8.gs	srf-tf(HMM:0.46)
19484	OJ000113_05.0222.C14.p1.gs	tbp(HMM:0.0047)
19485	OJ000113_05.0426.C14.p1.gs	tbp(HMM:0.0047)
19486	OJ000110_19.0303.C9.p2.gs	teo(HMM:3.1e-35)
19487	OJ000110_19.0426.C9.p2.gs	teo(HMM:3.1e-35)
19488	OJ000113_22.0225.C12.p1.gs	teo(HMM:8.6e-34)
19489	OJ000209_20.0313.C23.p1.gs	teo(HMM:7.4e-13)
19490	OJ000250_48.0211.C10.p1.gs	teo(HMM:9.6e-05)
19491	OJ000301_06.0419.C13.p4.gs	teo(HMM:2.2e-30)
19492	OJ000310_32.0419.C7.p2.gs	teo(HMM:2.1e-36)
19493	OJ000314_31.0419.C6.p2.gs	teo(HMM:3.9e-37)
19494	OJ000315_29.0419.C13.p2.gs	teo(HMM:3.9e-37)
19495	OJ000321_12.0419.C13.p2.gs	teo(HMM:2.7e-30)
19496	OJ000321_38.0419.C16.p7.gs	teo(HMM:2.9e-24)
19497	OJ000328_06.0419.C18.p1.gs	teo(HMM:2.6e-32)
19498	OJ990421_04.9919.C46.p2.gs	teo(HMM:0.0054)
19499	OJ990422_22.9819.C6.p3.gs	teo(HMM:5.1e-30)
19500	OJ990620_35.0114.C7.p7.gs	teo(HMM:2.7e-30)
19501	OJ990729_12.9B19.C18.p4.gs	teo(HMM:2.2e-30)
19502	OJ991007_18.0120.C6.p2.gs	teo(HMM:5.2e-30)
19503	OJ991013_10.0110.C11.p2.gs	teo(HMM:8.4e-41)
19504	OJ991119_17.0126.C12.p1.gs	teo(HMM:2.1e-36)

19505	OJ991217_20.0218.C9.p7.gs	teo(HMM:0.0045)
19506	OJ000229_15.0419.C10.p2.gs	tfiis(HMM:1.1e-21)
19507	OJ000302_11.0403.C6.p3.gs	tfiis(HMM:1.9e-15)
19508	OJ000350_70.0328.C6.p3.gs	tfiis(HMM:1.1e-21)
19509	OJ991027_14.0308.C27.p1.gs	tfiis(HMM:1.1e-21)
19510	OJ991113_35.0112.C2.p8.gs	tfiis(HMM:1.9e-15)
19511	OJ000122_36.0307.C39.p1.gs	transcript_fac2(HMM:7.1e-25)
19512	OJ000250_93.0307.C13.p1.gs	transcript_fac2(HMM:7.1e-25)
19513	OJ990602_03.0107.C39.p1.gs	transcript_fac2(HMM:3.7e-50)
19514	OJ990602_03.0107.C4.p1.gs	transcript_fac2(HMM:3.6e-16)
19515	OJ990823_08.9B10.C5.p3.gs	transcript_fac2(HMM:1.4e-56)
19516	OJ000118_12.0215.C22.p1.gs	trihelix(HMM:5.2e-10)
19517	OJ000125_02.0303.C27.p1.gs	trihelix(HMM:0.4)
19518	OJ000223_09.0322.C5.p4.gs	trihelix(HMM:7.2e-42)
19519	OJ000223_14.0323.C22.p1.gs	trihelix(HMM:0.4)
19520	OJ000250_65.0217.C5.p5.gs	trihelix(HMM:0.2)
19521	OJ000250_76.0214.C15.p1.gs	trihelix(HMM:5.2e-10)
19522	OJ000251_26.0303.C7.p2.gs	trihelix(HMM:0.4)
19523	OJ000251_26.0323.C8.p2.gs	trihelix(HMM:0.4)
19524	OJ000251_48.0228.C48.p1.gs	trihelix(HMM:3.6)
19525	OJ000310_06.0417.C14.p1.gs	trihelix(HMM:0.0013)
19526	OJ990318_06.0228.C89.p1.gs	trihelix(HMM:3.6)
19527	OJ990408_08.9B12.C14.p1.gs	trihelix(HMM:0.00059)
19528	OJ990408_08.9B12.C30.p1.gs	trihelix(HMM:1.4e-124)
19529	OJ990421_23.9923.C5.p2.gs	trihelix(HMM:5.2e-118)
19530	OJ990429_24.0128.C28.p1.gs	trihelix(HMM:2.1e-55)
19531	OJ990429_24.0128.C29.p1.gs	trihelix(HMM:2.2e-60)
19532	OJ990831_01.0419.C11.p1.gs	trihelix(HMM:1.2e-58)
19533	OJ990831_01.0419.C12.p1.gs	trihelix(HMM:4.6e-46)
19534	OJ990915_06.9B15.C10.p1.gs	trihelix(HMM:3e-46)
19535	OJ990923_10.9A29.C13.p1.gs	trihelix(HMM:9.4e-14)
19536	OJ991110_16.0410.C18.p1.gs	trihelix(HMM:2.1e-55)
19537	OJ991202_15.0118.C1.p6.gs	trihelix(HMM:1.3)
19538	OJ000110_03.0426.C14.p1.gs	wrky(HMM:1.2e-16)
19539	OJ000110_04.0426.C19.p3.gs	wrky(HMM:5e-42)
19540	OJ000110_04.0426.C7.p2.gs	wrky(HMM:1.1e-43)
19541	OJ000111_13.0222.C2.p1.gs	wrky(HMM:1.5e-10)
19542	OJ000111_13.0426.C2.p1.gs	wrky(HMM:1.5e-10)
19543	OJ000114_19.0307.C8.p6.gs	wrky(HMM:8.6e-87)
19544	OJ000119_08.0302.C10.p3.gs	wrky(HMM:7.8e-23)
19545	OJ000130_45.0328.C11.p2.gs	wrky(HMM:5e-22)
19546	OJ000130_45.0328.C3.p6.gs	wrky(HMM:4.5e-29)
19547	OJ000150_00.0124.C17.p1.gs	wrky(HMM:2.1e-10)
19548	OJ000150_00.0124.C61.p1.gs	wrky(HMM:1.2e-37)
19549	OJ000207_27.0406.C33.p2.gs	wrky(HMM:1.2e-43)
19550	OJ000208_25.0419.C15.p1.gs	wrky(HMM:2.6e-40)
19551	OJ000210_10.0307.C3.p2.gs	wrky(HMM:4.6e-34)
19552	OJ000216_03.0330.C44.p1.gs	wrky(HMM:1.9e-41)
19553	OJ000217_16.0403.C2.p3.gs	wrky(HMM:1.2e-27)
19554	OJ000222_09.0330.C10.p2.gs	wrky(HMM:7.6e-39)
19555	OJ000222_15.0406.C2.p10.gs	wrky(HMM:1.3e-07)
19556	OJ000222_15.0406.C3.p1.gs	wrky(HMM:0.0095)
19557	OJ000229_06.0323.C14.p6.gs	wrky(HMM:2.4e-39)
19558	OJ000250_12.0209.C20.p3.gs	wrky(HMM:2e-09)

19559	OJ000250_31.0217.C50.p1.gs	wrky(HMM:3.8e-16)
19560	OJ000250_52.0214.C21.p2.gs	wrky(HMM:1.6e-67)
19561	OJ000250_71.0214.C38.p2.gs	wrky(HMM:1.5e-38)
19562	OJ000251_09.0406.C4.p1.gs	wrky(HMM:8.1e-24)
19563	OJ000251_45.0217.C20.p1.gs	wrky(HMM:8.7e-40)
19564	OJ000251_47.0320.C15.p1.gs	wrky(HMM:5e-42)
19565	OJ000301_27.0419.C18.p3.gs	wrky(HMM:4.5e-32)
19566	OJ000302_07.0407.C5.p1.gs	wrky(HMM:4.6e-35)
19567	OJ000303_03.0419.C12.p2.gs	wrky(HMM:1.9e-41)
19568	OJ000303_13.0407.C26.p3.gs	wrky(HMM:4.5e-32)
19569	OJ000307_27.0419.C17.p2.gs	wrky(HMM:7e-35)
19570	OJ000307_28.0417.C2.p1.gs	wrky(HMM:3.3e-42)
19571	OJ000310_09.0419.C25.p1.gs	wrky(HMM:2.2e-34)
19572	OJ000310_18.0418.C8.p3.gs	wrky(HMM:2.2e-31)
19573	OJ000310_18.0418.C9.p1.gs	wrky(HMM:3.7e-39)
19574	OJ000314_32.0412.C7.p3.gs	wrky(HMM:1.1e-23)
19575	OJ000314_36.0419.C13.p2.gs	wrky(HMM:7e-35)
19576	OJ000314_36.0419.C4.p2.gs	wrky(HMM:1.2e-37)
19577	OJ000320_17.0420.C7.p1.gs	wrky(HMM:2.5e-40)
19578	OJ000320_21.0419.C22.p2.gs	wrky(HMM:7.8e-41)
19579	OJ000320_21.0419.C7.p3.gs	wrky(HMM:4.6e-34)
19580	OJ000321_11.0419.C16.p1.gs	wrky(HMM:7.8e-41)
19581	OJ000323_08.0419.C11.p1.gs	wrky(HMM:1.1e-40)
19582	OJ000327_14.0420.C20.p2.gs	wrky(HMM:2.2e-22)
19583	OJ000327_14.0420.C24.p3.gs	wrky(HMM:1.2e-20)
19584	OJ000327_14.0420.C3.p1.gs	wrky(HMM:5.8e-15)
19585	OJ000327_15.0424.C8.p1.gs	wrky(HMM:0.0028)
19586	OJ000327_16.0420.C33.p2.gs	wrky(HMM:1.3e-07)
19587	OJ000327_16.0420.C33.p3.gs	wrky(HMM:0.0095)
19588	OJ000327_24.0425.C25.p2.gs	wrky(HMM:9.4e-40)
19589	OJ000328_19.0419.C27.p4.gs	wrky(HMM:2.2e-34)
19590	OJ000330_26.0419.C29.p1.gs	wrky(HMM:2.2e-09)
19591	OJ000331_10.0419.C14.p2.gs	wrky(HMM:1.3e-07)
19592	OJ000331_10.0419.C14.p3.gs	wrky(HMM:0.0095)
19593	OJ000331_13.0420.C2.p2.gs	wrky(HMM:7.8e-23)
19594	OJ000350_24.0314.C17.p1.gs	wrky(HMM:1.6e-91)
19595	OJ000350_55.0419.C10.p1.gs	wrky(HMM:0.00039)
19596	OJ000403_18.0419.C10.p1.gs	wrky(HMM:7.5e-34)
19597	OJ000404_07.0421.C1.p1.gs	wrky(HMM:8.6e-87)
19598	OJ990323_15.9A11.C3.p3.gs	wrky(HMM:1.2e-37)
19599	OJ990325_03.9A14.C37.p1.gs	wrky(HMM:1.1)
19600	OJ990402_32.9819.C8.p4.gs	wrky(HMM:3e-37)
19601	OJ990414_06.9C10.C5.p2.gs	wrky(HMM:5.6e-88)
19602	OJ990414_10.9819.C2.p3.gs	wrky(HMM:1.3e-07)
19603	OJ990414_10.9819.C2.p4.gs	wrky(HMM:0.0095)
19604	OJ990414_11.9819.C10.p4.gs	wrky(HMM:1.8e-40)
19605	OJ990415_08.9922.C11.p7.gs	wrky(HMM:5.6e-88)
19606	OJ990421_05.9C03.C27.p1.gs	wrky(HMM:6.3e-27)
19607	OJ990428_05.9819.C11.p1.gs	wrky(HMM:1.3e-09)
19608	OJ990428_05.9819.C26.p2.gs	wrky(HMM:2.2e-09)
19609	OJ990428_05.9819.C57.p1.gs	wrky(HMM:1.3e-09)
19610	OJ990428_05.9819.C75.p1.gs	wrky(HMM:0.011)
19611	OJ990428_26.9819.C11.p3.gs	wrky(HMM:0.0007)
19612	OJ990428_26.9819.C12.p1.gs	wrky(HMM:2.2e-07)

19613	OJ990503_08.9924.C50.p1.gs	wrky(HMM:0.14)
19614	OJ990503_08.9924.C52.p3.gs	wrky(HMM:2.2e-22)
19615	OJ990503_08.9924.C74.p1.gs	wrky(HMM:5.8e-15)
19616	OJ990503_08.9924.C96.p2.gs	wrky(HMM:0.024)
19617	OJ990513_03.9924.C9.p5.gs	wrky(HMM:6.5e-26)
19618	OJ990524_11.9921.C11.p4.gs	wrky(HMM:3.8e-12)
19619	OJ990528_01.9921.C25.p1.gs	wrky(HMM:1.5e-46)
19620	OJ990528_10.0419.C75.p1.gs	wrky(HMM:4.8e-39)
19621	OJ990603_08.0419.C13.p1.gs	wrky(HMM:1.3e-07)
19622	OJ990605_41.0225.C1.p2.gs	wrky(HMM:1.1e-43)
19623	OJ990617_02.9B01.C14.p1.gs	wrky(HMM:0.016)
19624	OJ990619_39.9C10.C2.p2.gs	wrky(HMM:9.4e-40)
19625	OJ990627_47.9A01.C12.p3.gs	wrky(HMM:1e-22)
19626	OJ990627_47.9A01.C6.p1.gs	wrky(HMM:4.9e-13)
19627	OJ990627_47.9A01.C7.p1.gs	wrky(HMM:1.2e-20)
19628	OJ990627_47.9A01.C9.p1.gs	wrky(HMM:2.2e-22)
19629	OJ990709_08.9C10.C2.p2.gs	wrky(HMM:8.6e-87)
19630	OJ990716_09.9B08.C2.p1.gs	wrky(HMM:2.2e-38)
19631	OJ990802_09.9B24.C2.p1.gs	wrky(HMM:6.1e-61)
19632	OJ990804_05.9B12.C17.p2.gs	wrky(HMM:2.2e-09)
19633	OJ990804_05.9B12.C18.p1.gs	wrky(HMM:0.011)
19634	OJ990818_16.9C10.C39.p2.gs	wrky(HMM:2.4e-39)
19635	OJ990820_06.0215.C5.p2.gs	wrky(HMM:7.6e-39)
19636	OJ990821_61.9C20.C7.p1.gs	wrky(HMM:1.2e-43)
19637	OJ990825_14.9B15.C13.p1.gs	wrky(HMM:8.7e-28)
19638	OJ990825_14.9B15.C13.p3.gs	wrky(HMM:3.4e-06)
19639	OJ990825_14.9B15.C3.p1.gs	wrky(HMM:2.2e-20)
19640	OJ990826_07.0103.C10.p8.gs	wrky(HMM:1.9e-41)
19641	OJ990913_14.9B19.C18.p3.gs	wrky(HMM:1.9e-41)
19642	OJ990917_16.9B08.C13.p1.gs	wrky(HMM:1.1e-40)
19643	OJ991022_09.0210.C10.p3.gs	wrky(HMM:1.2e-20)
19644	OJ991022_09.0210.C13.p2.gs	wrky(HMM:2.2e-22)
19645	OJ991022_09.0210.C14.p6.gs	wrky(HMM:2.2e-08)
19646	OJ991022_09.0210.C17.p2.gs	wrky(HMM:5.8e-15)
19647	OJ991026_12.0202.C2.p1.gs	wrky(HMM:1.3e-09)
19648	OJ991026_12.0202.C3.p1.gs	wrky(HMM:0.00011)
19649	OJ991028_05.0211.C2.p1.gs	wrky(HMM:1.1e-40)
19650	OJ991106_42.0103.C4.p1.gs	wrky(HMM:0.0012)
19651	OJ991106_42.0103.C4.p3.gs	wrky(HMM:1.8e-12)
19652	OJ991108_07.0125.C2.p5.gs	wrky(HMM:2.9e-15)
19653	OJ991109_03.0218.C14.p2.gs	wrky(HMM:1.2e-16)
19654	OJ991110_15.0218.C9.p5.gs	wrky(HMM:1.4e-39)
19655	OJ991114_35.0419.C23.p1.gs	wrky(HMM:1.9)
19656	OJ991202_08.0421.C36.p6.gs	wrky(HMM:0.01)
19657	OJ991202_08.9C30.C35.p1.gs	wrky(HMM:0.01)
19658	OJ991203_01.0128.C6.p3.gs	wrky(HMM:5.8e-20)
19659	OJ991214_03.0114.C4.p5.gs	wrky(HMM:7.8e-23)
19660	OJ991215_01.0113.C8.p3.gs	wrky(HMM:6.5e-26)
19661	OJ991216_02.0218.C15.p2.gs	wrky(HMM:7.3e-36)
19662	OJ991216_03.0419.C6.p3.gs	wrky(HMM:1.9e-41)
19663	OJ991217_03.0211.C3.p2.gs	wrky(HMM:0.00011)
19664	OJ991217_03.0303.C3.p2.gs	wrky(HMM:0.00011)
19665	OJ991220_02.0127.C2.p3.gs	wrky(HMM:4.5e-32)
19666	OJ991226_43.0315.C5.p1.gs	wrky(HMM:1.1e-40)

OJ000251_12.0217.C37.p1.gs	zf-c2h2(HMM:1.3e-08)
OJ000251_40.0303.C38.p1.gs	zf-c2h2(HMM:8.8e-09)
OJ000251_45.0217.C17.p1.gs	zf-c2h2(HMM:0.0051)
OJ000303_24.0327.C9.p1.gs	zf-c2h2(HMM:0.0032)
OJ000303_27.0328.C8.p7.gs	zf-c2h2(HMM:0.0032)
OJ000308_22.0419.C20.p2.gs	zf-c2h2(HMM:0.011)
OJ000310_12.0419.C19.p1.gs	zf-c2h2(HMM:1e-10)
OJ000310_31.0425.C2.p4.gs	zf-c2h2(HMM:0.1)
OJ000313_31.0421.C13.p1.gs	zf-c2h2(HMM:4.9e-07)
OJ000314_11.0421.C6.p1.gs	zf-c2h2(HMM:0.036)
OJ000316_14.0419.C28.p1.gs	zf-c2h2(HMM:3.8e-07)
OJ000320_08.0419.C30.p2.gs	zf-c2h2(HMM:0.0002)
OJ000321_17.0419.C13.p2.gs	zf-c2h2(HMM:4.5e-09)
OJ000322_05.0419.C9.p1.gs	zf-c2h2(HMM:0.038)
OJ000322_12.0424.C17.p1.gs	zf-c2h2(HMM:0.00052)
OJ000322_17.0419.C9.p1.gs	zf-c2h2(HMM:0.0042)
OJ000324_27.0420.C35.p1.gs	zf-c2h2(HMM:1.7e-08)
OJ000327_15.0424.C39.p2.gs	zf-c2h2(HMM:7.2e-05)
OJ000327_15.0424.C39.p4.gs	zf-c2h2(HMM:1.8e-10)
OJ000327_29.0419.C29.p2.gs	zf-c2h2(HMM:2.3e-09)
OJ000330_11.0419.C27.p2.gs	zf-c2h2(HMM:1.6e-08)
OJ000330_11.0419.C29.p1.gs	zf-c2h2(HMM:3.9e-06)
OJ000330_40.0424.C11.p1.gs	zf-c2h2(HMM:9.7e-05)
OJ000331_09.0418.C1.p3.gs	zf-c2h2(HMM:0.1)
OJ000350_16.0419.C44.p1.gs	zf-c2h2(HMM:2.4e-08)
OJ000350_16.0419.C47.p1.gs	zf-c2h2(HMM:1.7e-08)
OJ000350_67.0328.C4.p1.gs	zf-c2h2(HMM:2e-17)
OJ000403_04.0421.C8.p2.gs	zf-c2h2(HMM:1.7e-08)
OJ000404_22.0424.C14.p3.gs	zf-c2h2(HMM:3.4e-08)
OJ000404_22.0424.C27.p1.gs	zf-c2h2(HMM:2.1e-08)
OJ990301_08.9819.C35.p1.gs	zf-c2h2(HMM:6.2e-06)
OJ990301_09.9819.C4.p5.gs	zf-c2h2(HMM:2.8e-08)
OJ990318_08.9C23.C91.p2.gs	zf-c2h2(HMM:2.3e-15)
OJ990325_01.9C03.C15.p1.gs	zf-c2h2(HMM:0.026)
OJ990325_02.0420.C78.p3.gs	zf-c2h2(HMM:0.0002)
OJ990325_02.9921.C46.p1.gs	zf-c2h2(HMM:0.0002)
OJ990326_01.9C01.C19.p2.gs	zf-c2h2(HMM:5.6e-10)
OJ990331_10.9A01.C5.p19.gs	zf-c2h2(HMM:1.8e-10)
OJ990412_06.9922.C13.p5.gs	zf-c2h2(HMM:0.0002)
OJ990423_08.9924.C10.p1.gs	zf-c2h2(HMM:2.3e-15)
OJ990428_06.9A08.C33.p3.gs	zf-c2h2(HMM:0.0032)
OJ990429_07.9927.C27.p2.gs	zf-c2h2(HMM:2.6e-11)
OJ990430_01.9C03.C68.p1.gs	zf-c2h2(HMM:2.3e-08)
OJ990430_26.9B12.C13.p2.gs	zf-c2h2(HMM:1.7e-29)
OJ990517_24.9A01.C21.p4.gs	zf-c2h2(HMM:1.6e-06)
OJ990524_03.0103.C37.p2.gs	zf-c2h2(HMM:0.059)
OJ990524_07.0128.C28.p4.gs	zf-c2h2(HMM:1.2e-08)
OJ990527_24.9A20.C4.p4.gs	zf-c2h2(HMM:1.6e-06)
OJ990528_06.9C03.C33.p1.gs	zf-c2h2(HMM:0.023)
OJ990530_44.9819.C1.p8.gs	zf-c2h2(HMM:7.8e-08)
OJ990603_03.0419.C15.p1.gs	zf-c2h2(HMM:0.085)
OJ990630_02.9C01.C5.p2.gs	zf-c2h2(HMM:0.0002)
OJ990706_08.9A01.C8.p4.gs	zf-c2h2(HMM:5.3e-09)
OJ990715_06.9A01.C3.p11.gs	zf-c2h2(HMM:6.5e-10)

OJ990720_13.9C01.C13.p1.gs	zf-c2h2(HMM:0.00052)
OJ990723_09.9A14.C5.p3.gs	zf-c2h2(HMM:0.023)
OJ990726_04.9C03.C3.p8.gs	zf-c2h2(HMM:3.4e-08)
OJ990804_04.9C23.C43.p4.gs	zf-c2h2(HMM:5.3e-09)
OJ990809_01.0303.C46.p1.gs	zf-c2h2(HMM:8.8e-09)
OJ990822_42.0419.C67.p1.gs	zf-c2h2(HMM:0.059)
OJ990825_07.9B16.C8.p2.gs	zf-c2h2(HMM:0.019)
OJ990827_09.0103.C27.p1.gs	zf-c2h2(HMM:4.2e-08)
OJ990914_01.9B05.C7.p4.gs	zf-c2h2(HMM:2.8e-17)
OJ990923_14.0228.C50.p1.gs	zf-c2h2(HMM:4.6e-11)
OJ991008_04.0121.C8.p2.gs	zf-c2h2(HMM:2.4e-08)
OJ991018_04.0211.C28.p2.gs	zf-c2h2(HMM:7.2e-08)
OJ991020_10.0119.C18.p1.gs	zf-c2h2(HMM:0.0022)
OJ991026_06.0218.C6.p3.gs	zf-c2h2(HMM:3.9e-10)
OJ991026_06.0218.C7.p1.gs	zf-c2h2(HMM:1.8e-10)
OJ991027_16.0118.C7.p1.gs	zf-c2h2(HMM:1.1e-10)
OJ991027_18.0118.C3.p4.gs	zf-c2h2(HMM:0.025)
OJ991109_13.0131.C14.p2.gs	zf-c2h2(HMM:7.3e-07)
OJ991112_01.0403.C10.p4.gs	zf-c2h2(HMM:2e-07)
OJ991112_01.0403.C10.p5.gs	zf-c2h2(HMM:3.1e-07)
OJ991112_01.0403.C10.p7.gs	zf-c2h2(HMM:2.1e-06)
OJ991112_14.0128.C7.p4.gs	zf-c2h2(HMM:5.7e-09)
OJ991113_35.0112.C2.p3.gs	zf-c2h2(HMM:8.8e-09)
OJ991116_02.0215.C10.p3.gs	zf-c2h2(HMM:3e-11)
OJ991118_13.0111.C3.p5.gs	zf-c2h2(HMM:3.9e-10)
OJ991118_13.0111.C3.p7.gs	zf-c2h2(HMM:1.8e-10)
OJ991120_34.0419.C16.p1.gs	zf-c2h2(HMM:5.7e-09)
OJ991122_12.0229.C3.p5.gs	zf-c2h2(HMM:1.3e-11)
OJ991216_06.0211.C14.p1.gs	zf-c2h2(HMM:0.071)
OJ000102_74.0317.C4.p1.gs	zf-c3hc4(HMM:0.0011)
OJ000102_74.0426.C4.p1.gs	zf-c3hc4(HMM:0.0011)
OJ000102_79.0301.C6.p1.gs	zf-c3hc4(HMM:1.7e-08)
OJ000102_79.0414.C6.p1.gs	zf-c3hc4(HMM:1.7e-08)
OJ000102_79.0426.C6.p1.gs	zf-c3hc4(HMM:1.7e-08)
OJ000102_80.0307.C6.p4.gs	zf-c3hc4(HMM:0.014)
OJ000102_80.0426.C6.p4.gs	zf-c3hc4(HMM:0.014)
OJ000105_11.0214.C14.p4.gs	zf-c3hc4(HMM:2.7e-06)
OJ000105_11.0310.C10.p1.gs	zf-c3hc4(HMM:2.7e-06)
OJ000105_11.0426.C10.p1.gs	zf-c3hc4(HMM:2.7e-06)
OJ000107_01.0327.C7.p1.gs	zf-c3hc4(HMM:5.4e-06)
OJ000107_01.0426.C7.p1.gs	zf-c3hc4(HMM:5.4e-06)
OJ000107_04.0210.C11.p4.gs	zf-c3hc4(HMM:1.3e-12)
OJ000107_04.0426.C11.p4.gs	zf-c3hc4(HMM:1.3e-12)
OJ000110_02.0330.C82.p1.gs	zf-c3hc4(HMM:0.0011)
OJ000110_02.0426.C82.p1.gs	zf-c3hc4(HMM:0.0011)
OJ000110_09.0308.C27.p1.gs	zf-c3hc4(HMM:5.1e-12)
OJ000110_09.0426.C27.p1.gs	zf-c3hc4(HMM:5.1e-12)
OJ000111_17.0229.C9.p2.gs	zf-c3hc4(HMM:0.0027)
OJ000111_17.0426.C9.p2.gs	zf-c3hc4(HMM:0.0027)
OJ000112_19.0225.C4.p2.gs	zf-c3hc4(HMM:9.9e-08)
OJ000113_02.0211.C5.p1.gs	zf-c3hc4(HMM:8e-11)
OJ000113_02.0426.C5.p1.gs	zf-c3hc4(HMM:8e-11)
OJ000113_05.0222.C10.p2.gs	zf-c3hc4(HMM:1.4e-07)
OJ000113_05.0426.C10.p2.gs	zf-c3hc4(HMM:1.4e-07)

19816	OJ000113_21.0317.C9.p2.gs	zf-c3hc4(HMM:8.1e-12)
19817	OJ000114_10.0419.C2.p2.gs	zf-c3hc4(HMM:4.9e-12)
19818	OJ000114_10.0419.C3.p1.gs	zf-c3hc4(HMM:1.1e-08)
19819	OJ000114_21.0216.C12.p2.gs	zf-c3hc4(HMM:1.7e-12)
19820	OJ000116_39.0419.C9.p2.gs	zf-c3hc4(HMM:0.01)
19821	OJ000118_02.0222.C9.p2.gs	zf-c3hc4(HMM:9.3e-14)
19822	OJ000118_18.0322.C5.p1.gs	zf-c3hc4(HMM:0.0023)
19823	OJ000118_20.0222.C19.p2.gs	zf-c3hc4(HMM:0.013)
19824	OJ000121_08.0306.C7.p1.gs	zf-c3hc4(HMM:0.00078)
19825	OJ000122_55.0307.C17.p2.gs	zf-c3hc4(HMM:1.2e-10)
19826	OJ000150_20.0124.C6.p1.gs	zf-c3hc4(HMM:0.0024)
19827	OJ000150_20.0124.C8.p3.gs	zf-c3hc4(HMM:7.1e-11)
19828	OJ000150_20.0124.C9.p1.gs	zf-c3hc4(HMM:1e-06)
19829	OJ000150_32.0124.C25.p1.gs	zf-c3hc4(HMM:9.3e-06)
19830	OJ000203_06.0316.C4.p2.gs	zf-c3hc4(HMM:1.4e-13)
19831	OJ000204_17.0323.C8.p5.gs	zf-c3hc4(HMM:1.3e-10)
19832	OJ000208_08.0321.C6.p2.gs	zf-c3hc4(HMM:7.6e-13)
19833	OJ000209_03.0309.C17.p3.gs	zf-c3hc4(HMM:2.3e-10)
19834	OJ000209_13.0316.C10.p1.gs	zf-c3hc4(HMM:0.0007)
19835	OJ000210_01.0419.C58.p1.gs	zf-c3hc4(HMM:5.8e-06)
19836	OJ000210_20.0419.C36.p1.gs	zf-c3hc4(HMM:9.7e-13)
19837	OJ000211_07.0316.C6.p1.gs	zf-c3hc4(HMM:0.05)
19838	OJ000211_08.0323.C11.p1.gs	zf-c3hc4(HMM:1.1e-12)
19839	OJ000211_08.0323.C11.p3.gs	zf-c3hc4(HMM:6.8e-13)
19840	OJ000211_08.0323.C11.p4.gs	zf-c3hc4(HMM:2.1e-08)
19841	OJ000211_08.0323.C11.p5.gs	zf-c3hc4(HMM:8.5e-08)
19842	OJ000211_08.0323.C12.p1.gs	zf-c3hc4(HMM:3.1e-11)
19843	OJ000214_02.0321.C14.p2.gs	zf-c3hc4(HMM:7.6e-14)
19844	OJ000216_09.0330.C2.p3.gs	zf-c3hc4(HMM:0.00094)
19845	OJ000217_09.0320.C7.p3.gs	zf-c3hc4(HMM:1.5e-09)
19846	OJ000217_09.0320.C8.p2.gs	zf-c3hc4(HMM:3.6e-10)
19847	OJ000222_01.0327.C14.p3.gs	zf-c3hc4(HMM:4.9e-09)
19848	OJ000222_02.0327.C7.p7.gs	zf-c3hc4(HMM:4.1e-05)
19849	OJ000222_12.0404.C9.p7.gs	zf-c3hc4(HMM:1.9e-07)
19850	OJ000223_15.0419.C15.p2.gs	zf-c3hc4(HMM:4.2e-11)
19851	OJ000229_10.0419.C21.p1.gs	zf-c3hc4(HMM:8e-11)
19852	OJ000229_14.0327.C18.p1.gs	zf-c3hc4(HMM:6.3e-14)
19853	OJ000229_16.0327.C38.p2.gs	zf-c3hc4(HMM:1.2e-12)
19854	OJ000229_24.0419.C22.p1.gs	zf-c3hc4(HMM:0.0019)
19855	OJ000250_01.0308.C9.p3.gs	zf-c3hc4(HMM:7.5e-11)
19856	OJ000250_01.0414.C2.p7.gs	zf-c3hc4(HMM:7.5e-11)
19857	OJ000250_85.0214.C6.p2.gs	zf-c3hc4(HMM:2.1)
19858	OJ000251_15.0321.C14.p1.gs	zf-c3hc4(HMM:0.00097)
19859	OJ000251_17.0307.C61.p2.gs	zf-c3hc4(HMM:1.2e-10)
19860	OJ000251_17.0331.C59.p2.gs	zf-c3hc4(HMM:1.2e-10)
19861	OJ000251_22.0403.C7.p2.gs	zf-c3hc4(HMM:0.00094)
19862	OJ000251_47.0320.C2.p7.gs	zf-c3hc4(HMM:3.1e-10)
19863	OJ000301_03.0404.C10.p1.gs	zf-c3hc4(HMM:1.5e-12)
19864	OJ000301_18.0330.C11.p2.gs	zf-c3hc4(HMM:8.8e-07)
19865	OJ000301_25.0410.C12.p3.gs	zf-c3hc4(HMM:0.23)
19866	OJ000302_01.0405.C23.p1.gs	zf-c3hc4(HMM:8.7e-13)
19867	OJ000302_26.0419.C42.p1.gs	zf-c3hc4(HMM:0.016)
19868	OJ000302_28.0419.C26.p2.gs	zf-c3hc4(HMM:0.016)
19869	OJ000303_05.0410.C12.p1.gs	zf-c3hc4(HMM:4.2e-12)

19870	OJ000306_01.0407.C13.p1.gs	zf-c3hc4(HMM:9.9e-08)
19871	OJ000306_15.0406.C5.p1.gs	zf-c3hc4(HMM:1.6e-09)
19872	OJ000307_28.0417.C7.p4.gs	zf-c3hc4(HMM:0.0021)
19873	OJ000308_05.0406.C9.p2.gs	zf-c3hc4(HMM:2.1e-12)
19874	OJ000308_05.0406.C9.p7.gs	zf-c3hc4(HMM:8.7e-13)
19875	OJ000310_10.0419.C8.p2.gs	zf-c3hc4(HMM:1.3e-07)
19876	OJ000310_32.0419.C6.p2.gs	zf-c3hc4(HMM:3.4e-14)
19877	OJ000310_39.0424.C155.p1.gs	zf-c3hc4(HMM:2.3e-08)
19878	OJ000310_40.0424.C6.p2.gs	zf-c3hc4(HMM:2.3e-08)
19879	OJ000313_32.0419.C8.p2.gs	zf-c3hc4(HMM:1.6e-08)
19880	OJ000314_08.0414.C7.p1.gs	zf-c3hc4(HMM:1.1e-10)
19881	OJ000314_12.0418.C1.p2.gs	zf-c3hc4(HMM:3.2e-11)
19882	OJ000320_05.0417.C10.p2.gs	zf-c3hc4(HMM:0.016)
19883	OJ000320_18.0424.C2.p3.gs	zf-c3hc4(HMM:1.2e-11)
19884	OJ000320_25.0419.C14.p1.gs	zf-c3hc4(HMM:4e-09)
19885	OJ000321_15.0419.C54.p1.gs	zf-c3hc4(HMM:0.08)
19886	OJ000321_31.0411.C6.p1.gs	zf-c3hc4(HMM:3.1e-10)
19887	OJ000321_38.0419.C7.p2.gs	zf-c3hc4(HMM:1.9e-11)
19888	OJ000321_38.0419.C7.p3.gs	zf-c3hc4(HMM:3.3e-10)
19889	OJ000322_06.0424.C26.p2.gs	zf-c3hc4(HMM:2.6e-12)
19890	OJ000322_12.0424.C39.p1.gs	zf-c3hc4(HMM:6.5e-09)
19891	OJ000323_12.0419.C23.p2.gs	zf-c3hc4(HMM:0.0014)
19892	OJ000323_21.0419.C11.p1.gs	zf-c3hc4(HMM:2e-12)
19893	OJ000324_06.0420.C14.p1.gs	zf-c3hc4(HMM:6.5e-09)
19894	OJ000324_16.0420.C27.p1.gs	zf-c3hc4(HMM:1.5e-10)
19895	OJ000324_22.0424.C42.p1.gs	zf-c3hc4(HMM:0.0017)
19896	OJ000324_26.0412.C18.p2.gs	zf-c3hc4(HMM:1.7e-10)
19897	OJ000324_26.0420.C5.p2.gs	zf-c3hc4(HMM:1.7e-10)
19898	OJ000327_13.0419.C18.p1.gs	zf-c3hc4(HMM:9.3e-14)
19899	OJ000327_14.0420.C13.p2.gs	zf-c3hc4(HMM:1.4e-13)
19900	OJ000327_27.0417.C4.p2.gs	zf-c3hc4(HMM:4.2e-11)
19901	OJ000327_37.0419.C11.p2.gs	zf-c3hc4(HMM:1e-11)
19902	OJ000330_31.0424.C48.p1.gs	zf-c3hc4(HMM:0.074)
19903	OJ000330_32.0419.C16.p1.gs	zf-c3hc4(HMM:1.2e-11)
19904	OJ000330_37.0420.C11.p1.gs	zf-c3hc4(HMM:0.00049)
19905	OJ000331_19.0424.C14.p2.gs	zf-c3hc4(HMM:0.004)
19906	OJ000331_23.0421.C30.p1.gs	zf-c3hc4(HMM:2.1e-13)
19907	OJ000350_02.0314.C18.p2.gs	zf-c3hc4(HMM:0.092)
19908	OJ000350_15.0322.C12.p6.gs	zf-c3hc4(HMM:3.2e-11)
19909	OJ000350_31.0315.C6.p2.gs	zf-c3hc4(HMM:0.01)
19910	OJ000350_55.0419.C23.p1.gs	zf-c3hc4(HMM:1.4e-13)
19911	OJ000350_64.0403.C14.p6.gs	zf-c3hc4(HMM:1.3e-08)
19912	OJ000350_66.0407.C37.p3.gs	zf-c3hc4(HMM:3.2e-11)
19913	OJ000350_68.0327.C19.p1.gs	zf-c3hc4(HMM:1.7e-10)
19914	OJ000404_05.0424.C7.p2.gs	zf-c3hc4(HMM:2.2e-08)
19915	OJ000405_19.0424.C28.p2.gs	zf-c3hc4(HMM:0.48)
19916	OJ000450_21.0411.C3.p3.gs	zf-c3hc4(HMM:2.1e-10)
19917	OJ000450_21.0420.C3.p3.gs	zf-c3hc4(HMM:2.1e-10)
19918	OJ990203_03.9819.C9.p4.gs	zf-c3hc4(HMM:0.00047)
19919	OJ990303_10.0420.C19.p1.gs	zf-c3hc4(HMM:1.1e-12)
19920	OJ990303_10.0420.C24.p1.gs	zf-c3hc4(HMM:0.0013)
19921	OJ990303_10.9819.C16.p1.gs	zf-c3hc4(HMM:3.6e-12)
19922	OJ990303_10.9819.C26.p1.gs	zf-c3hc4(HMM:6.9e-12)
19923	OJ990305_03.9819.C55.p1.gs	zf-c3hc4(HMM:2.3e-11)

19924	OJ990305_04.9819.C46.p1.gs	zf-c3hc4(HMM:6.2e-09)
19925	OJ990310_04.9819.C21.p2.gs	zf-c3hc4(HMM:1.5e-09)
19926	OJ990310_09.9819.C13.p2.gs	zf-c3hc4(HMM:2.1e-09)
19927	OJ990311_09.9819.C15.p1.gs	zf-c3hc4(HMM:8.9e-06)
19928	OJ990311_09.9819.C15.p7.gs	zf-c3hc4(HMM:1.6e-06)
19929	OJ990311_09.9819.C9.p4.gs	zf-c3hc4(HMM:0.044)
19930	OJ990311_15.9819.C8.p7.gs	zf-c3hc4(HMM:2.4e-08)
19931	OJ990312_15.0419.C25.p1.gs	zf-c3hc4(HMM:0.055)
19932	OJ990323_21.9819.C6.p4.gs	zf-c3hc4(HMM:2.2e-08)
19933	OJ990323_30.9C03.C2.p2.gs	zf-c3hc4(HMM:2.1e-10)
19934	OJ990324_05.9C23.C24.p1.gs	zf-c3hc4(HMM:1.3e-09)
19935	OJ990326_01.9C01.C25.p1.gs	zf-c3hc4(HMM:2.6e-12)
19936	OJ990326_01.9C01.C26.p1.gs	zf-c3hc4(HMM:1.9e-07)
19937	OJ990326_01.9C01.C28.p2.gs	zf-c3hc4(HMM:3.2e-12)
19938	OJ990330_19.9819.C30.p2.gs	zf-c3hc4(HMM:6.8e-12)
19939	OJ990331_05.9923.C13.p4.gs	zf-c3hc4(HMM:3.5)
19940	OJ990402_31.9C10.C16.p3.gs	zf-c3hc4(HMM:2.8e-11)
19941	OJ990415_09.9819.C2.p1.gs	zf-c3hc4(HMM:4.4e-12)
19942	OJ990416_08.0419.C36.p1.gs	zf-c3hc4(HMM:9.7e-13)
19943	OJ990419_05.9B05.C24.p3.gs	zf-c3hc4(HMM:8.7e-13)
19944	OJ990419_05.9B05.C27.p3.gs	zf-c3hc4(HMM:2.1e-12)
19945	OJ990419_08.9923.C28.p3.gs	zf-c3hc4(HMM:2.9e-12)
19946	OJ990422_20.9819.C6.p3.gs	zf-c3hc4(HMM:9.9e-08)
19947	OJ990423_11.9924.C5.p2.gs	zf-c3hc4(HMM:0.092)
19948	OJ990427_01.9A14.C15.p4.gs	zf-c3hc4(HMM:7.1e-11)
19949	OJ990427_01.9A14.C18.p1.gs	zf-c3hc4(HMM:0.0024)
19950	OJ990428_02.9A29.C30.p1.gs	zf-c3hc4(HMM:0.00041)
19951	OJ990428_22.9924.C5.p3.gs	zf-c3hc4(HMM:2.2e-08)
19952	OJ990430_06.9C03.C55.p1.gs	zf-c3hc4(HMM:2.1e-12)
19953	OJ990502_28.9A15.C7.p3.gs	zf-c3hc4(HMM:2.3e-09)
19954	OJ990504_06.9C17.C2.p2.gs	zf-c3hc4(HMM:8e-06)
19955	OJ990505_09.9B19.C38.p1.gs	zf-c3hc4(HMM:1.6e-09)
19956	OJ990517_13.9A08.C44.p5.gs	zf-c3hc4(HMM:1.3e-12)
19957	OJ990519_21.9A20.C8.p3.gs	zf-c3hc4(HMM:1.6e-10)
19958	OJ990520_09.9922.C24.p1.gs	zf-c3hc4(HMM:2.6e-05)
19959	OJ990520_11.9B12.C11.p1.gs	zf-c3hc4(HMM:1.3e-09)
19960	OJ990525_02.9921.C50.p1.gs	zf-c3hc4(HMM:0.092)
19961	OJ990527_04.9C17.C15.p1.gs	zf-c3hc4(HMM:0.0079)
19962	OJ990527_04.9C17.C26.p1.gs	zf-c3hc4(HMM:0.00037)
19963	OJ990527_04.9C17.C27.p1.gs	zf-c3hc4(HMM:0.0061)
19964	OJ990527_04.9C17.C35.p2.gs	zf-c3hc4(HMM:0.0011)
19965	OJ990527_04.9C17.C39.p2.gs	zf-c3hc4(HMM:1.3e-11)
19966	OJ990528_06.9C03.C28.p1.gs	zf-c3hc4(HMM:7.6e-14)
19967	OJ990531_45.9922.C5.p4.gs	zf-c3hc4(HMM:1.6e-09)
19968	OJ990601_07.9B12.C36.p1.gs	zf-c3hc4(HMM:3.1e-06)
19969	OJ990601_08.9A22.C6.p1.gs	zf-c3hc4(HMM:0.0022)
19970	OJ990604_10.9A29.C11.p4.gs	zf-c3hc4(HMM:9.3e-14)
19971	OJ990617_06.9A27.C86.p1.gs	zf-c3hc4(HMM:5.5e-12)
19972	OJ990617_12.0420.C20.p1.gs	zf-c3hc4(HMM:5.5e-12)
19973	OJ990617_12.9921.C57.p1.gs	zf-c3hc4(HMM:5.5e-12)
19974	OJ990618_12.9921.C47.p1.gs	zf-c3hc4(HMM:0.088)
19975	OJ990620_39.9919.C1.p2.gs	zf-c3hc4(HMM:7e-10)
19976	OJ990620_39.9919.C8.p2.gs	zf-c3hc4(HMM:3.9e-11)
19977	OJ990626_31.9A14.C6.p1.gs	zf-c3hc4(HMM:3.3e-11)

19978	OJ990626_47.9922.C7.p1.gs	zf-c3hc4(HMM:1.7e-12)
19979	OJ990627_42.9B05.C8.p1.gs	zf-c3hc4(HMM:1.3e-12)
19980	OJ990705_39.9919.C9.p10.gs	zf-c3hc4(HMM:0.0024)
19981	OJ990705_39.9919.C9.p6.gs	zf-c3hc4(HMM:7.1e-11)
19982	OJ990709_01.9919.C1.p3.gs	zf-c3hc4(HMM:4.2e-12)
19983	OJ990713_04.9C17.C35.p3.gs	zf-c3hc4(HMM:7.8e-11)
19984	OJ990713_14.9A18.C2.p1.gs	zf-c3hc4(HMM:4.2e-12)
19985	OJ990715_06.9A01.C3.p17.gs	zf-c3hc4(HMM:6.5e-27)
19986	OJ990723_14.9A18.C5.p1.gs	zf-c3hc4(HMM:1.4e-13)
19987	OJ990723_14.9A18.C8.p6.gs	zf-c3hc4(HMM:2.3e-08)
19988	OJ990727_12.9C10.C8.p1.gs	zf-c3hc4(HMM:1.9)
19989	OJ990803_07.9B19.C11.p5.gs	zf-c3hc4(HMM:9.3e-14)
19990	OJ990803_13.9B19.C13.p4.gs	zf-c3hc4(HMM:0.004)
19991	OJ990816_07.0225.C2.p1.gs	zf-c3hc4(HMM:0.0097)
19992	OJ990817_14.9B08.C10.p5.gs	zf-c3hc4(HMM:2.1e-13)
19993	OJ990817_15.0419.C29.p5.gs	zf-c3hc4(HMM:9.3e-11)
19994	OJ990817_15.0419.C29.p7.gs	zf-c3hc4(HMM:4.1e-11)
19995	OJ990818_08.9B12.C13.p3.gs	zf-c3hc4(HMM:1.1e-11)
19996	OJ990822_43.9C06.C15.p2.gs	zf-c3hc4(HMM:4.2e-11)
19997	OJ990822_43.9C06.C2.p4.gs	zf-c3hc4(HMM:0.081)
19998	OJ990822_47.0103.C5.p1.gs	zf-c3hc4(HMM:1.1e-05)
19999	OJ990822_50.9C23.C1.p2.gs	zf-c3hc4(HMM:1.2e-12)
20000	OJ990822_50.9C23.C11.p2.gs	zf-c3hc4(HMM:1.9e-11)
20001	OJ990822_50.9C23.C11.p3.gs	zf-c3hc4(HMM:3.3e-10)
20002	OJ990823_06.9B03.C5.p1.gs	zf-c3hc4(HMM:1.1e-11)
20003	OJ990823_08.9B10.C15.p3.gs	zf-c3hc4(HMM:5.5e-14)
20004	OJ990825_02.9A29.C34.p1.gs	zf-c3hc4(HMM:0.35)
20005	OJ990825_14.9B15.C10.p4.gs	zf-c3hc4(HMM:6.6e-13)
20006	OJ990908_15.9C14.C3.p5.gs	zf-c3hc4(HMM:0.016)
20007	OJ990909_08.0222.C16.p1.gs	zf-c3hc4(HMM:0.069)
20008	OJ990913_14.9B19.C11.p1.gs	zf-c3hc4(HMM:2.2e-09)
20009	OJ990914_19.9B01.C3.p3.gs	zf-c3hc4(HMM:4.9e-09)
20010	OJ990917_09.9A29.C13.p1.gs	zf-c3hc4(HMM:8.8e-07)
20011	OJ990921_14.0308.C10.p1.gs	zf-c3hc4(HMM:7.5e-11)
20012	OJ990923_03.9B10.C6.p2.gs	zf-c3hc4(HMM:1.7e-08)
20013	OJ990924_17.0211.C21.p4.gs	zf-c3hc4(HMM:2.4e-08)
20014	OJ990927_04.9B22.C8.p7.gs	zf-c3hc4(HMM:6e-10)
20015	OJ990930_04.9C01.C7.p1.gs	zf-c3hc4(HMM:0.00094)
20016	OJ990930_16.9B05.C23.p1.gs	zf-c3hc4(HMM:0.0021)
20017	OJ991012_11.0126.C35.p3.gs	zf-c3hc4(HMM:2.8e-12)
20018	OJ991012_13.0128.C6.p1.gs	zf-c3hc4(HMM:1.8e-06)
20019	OJ991013_05.0111.C8.p3.gs	zf-c3hc4(HMM:2.1e-10)
20020	OJ991013_07.0223.C8.p3.gs	zf-c3hc4(HMM:1.1e-11)
20021	OJ991013_07.0317.C10.p3.gs	zf-c3hc4(HMM:1.1e-11)
20022	OJ991013_12.0112.C12.p3.gs	zf-c3hc4(HMM:0.05)
20023	OJ991014_10.0207.C11.p1.gs	zf-c3hc4(HMM:6.5e-13)
20024	OJ991018_17.0421.C1.p2.gs	zf-c3hc4(HMM:2.3e-11)
20025	OJ991020_05.0222.C19.p2.gs	zf-c3hc4(HMM:2.3e-08)
20026	OJ991020_06.0215.C28.p2.gs	zf-c3hc4(HMM:1.5e-12)
20027	OJ991020_06.0303.C19.p2.gs	zf-c3hc4(HMM:1.5e-12)
20028	OJ991021_03.0413.C26.p1.gs	zf-c3hc4(HMM:0.0056)
20029	OJ991022_17.0225.C8.p2.gs	zf-c3hc4(HMM:4.4e-11)
20030	OJ991029_09.0120.C1.p7.gs	zf-c3hc4(HMM:6.3e-14)
20031	OJ991101_09.0131.C14.p1.gs	zf-c3hc4(HMM:1.8)

20032	OJ991102_06.0120.C5.p2.gs	zf-c3hc4(HMM:6.3e-11)
20033	OJ991103_16.0308.C14.p1.gs	zf-c3hc4(HMM:8.6e-07)
20034	OJ991106_41.0419.C18.p3.gs	zf-c3hc4(HMM:6.3e-11)
20035	OJ991106_42.0103.C7.p3.gs	zf-c3hc4(HMM:1.7e-10)
20036	OJ991109_09.0421.C7.p1.gs	zf-c3hc4(HMM:9.8e-11)
20037	OJ991109_09.9C22.C4.p1.gs	zf-c3hc4(HMM:9.8e-11)
20038	OJ991110_09.0222.C20.p2.gs	zf-c3hc4(HMM:9.8e-11)
20039	OJ991111_07.0330.C4.p1.gs	zf-c3hc4(HMM:1.4e-11)
20040	OJ991111_07.0330.C5.p2.gs	zf-c3hc4(HMM:2.6e-12)
20041	OJ991111_07.0330.C5.p7.gs	zf-c3hc4(HMM:1.4e-10)
20042	OJ991111_08.0307.C4.p2.gs	zf-c3hc4(HMM:3.7e-12)
20043	OJ991112_02.0405.C32.p3.gs	zf-c3hc4(HMM:0.077)
20044	OJ991112_02.0420.C30.p3.gs	zf-c3hc4(HMM:0.077)
20045	OJ991113_30.9C10.C4.p1.gs	zf-c3hc4(HMM:3.8e-06)
20046	OJ991113_30.9C10.C5.p2.gs	zf-c3hc4(HMM:9.1e-06)
20047	OJ991113_34.9C27.C6.p1.gs	zf-c3hc4(HMM:0.021)
20048	OJ991116_07.0128.C7.p2.gs	zf-c3hc4(HMM:0.0024)
20049	OJ991117_12.0421.C5.p3.gs	zf-c3hc4(HMM:0.0017)
20050	OJ991119_17.0126.C10.p3.gs	zf-c3hc4(HMM:3.4e-14)
20051	OJ991121_47.9C30.C10.p2.gs	zf-c3hc4(HMM:0.0008)
20052	OJ991122_03.0421.C7.p8.gs	zf-c3hc4(HMM:6.3e-14)
20053	OJ991122_03.9C23.C7.p8.gs	zf-c3hc4(HMM:6.3e-14)
20054	OJ991201_19.0222.C9.p2.gs	zf-c3hc4(HMM:8.4e-08)
20055	OJ991202_09.0421.C15.p1.gs	zf-c3hc4(HMM:0.0027)
20056	OJ991202_09.9C27.C15.p1.gs	zf-c3hc4(HMM:0.0027)
20057	OJ991202_19.0114.C8.p6.gs	zf-c3hc4(HMM:9.3e-11)
20058	OJ991202_19.0421.C7.p6.gs	zf-c3hc4(HMM:9.3e-11)
20059	OJ991208_01.0110.C10.p10.gs	zf-c3hc4(HMM:6.3e-11)
20060	OJ991210_13.0110.C4.p6.gs	zf-c3hc4(HMM:2.8e-12)
20061	OJ991214_04.0114.C12.p1.gs	zf-c3hc4(HMM:6.4e-12)
20062	OJ991215_02.0224.C10.p4.gs	zf-c3hc4(HMM:3.5)
20063	OJ991215_14.0211.C18.p1.gs	zf-c3hc4(HMM:1.6e-08)
20064	OJ991216_02.0218.C24.p3.gs	zf-c3hc4(HMM:0.044)
20065	OJ991216_03.0419.C13.p1.gs	zf-c3hc4(HMM:2.2e-09)
20066	OJ991216_07.0301.C18.p2.gs	zf-c3hc4(HMM:1.3e-11)
20067	OJ991216_07.0301.C2.p3.gs	zf-c3hc4(HMM:0.081)
20068	OJ991226_32.0308.C3.p1.gs	zf-c3hc4(HMM:7.5e-11)
20069	OJ991226_49.0317.C8.p2.gs	zf-c3hc4(HMM:8.8e-07)
20070	OJ000250_27.0208.C9.p1.gs	zf-c3hc4(HMM:2e-07),zz(HMM:1.2e-11)
20071	OJ000250_27.0303.C5.p1.gs	zf-c3hc4(HMM:2e-07),zz(HMM:1.2e-11)
20072	OJ991201_06.0103.C10.p1.gs	zf-c3hc4(HMM:2e-07),zz(HMM:1.2e-11)
20073	OJ000107_02.0301.C11.p1.gs	zf-ccch(HMM:0.0036)
20074	OJ000107_02.0426.C11.p1.gs	zf-ccch(HMM:0.0036)
20075	OJ000209_16.0418.C9.p2.gs	zf-ccch(HMM:0.0068)
20076	OJ000223_02.0405.C6.p6.gs	zf-ccch(HMM:8.5e-14)
20077	OJ000223_16.0320.C5.p1.gs	zf-ccch(HMM:0.086)
20078	OJ000229_23.0323.C18.p3.gs	zf-ccch(HMM:0.089)
20079	OJ000251_08.0218.C30.p1.gs	zf-ccch(HMM:0.0028)
20080	OJ000251_47.0320.C2.p4.gs	zf-ccch(HMM:7.6e-09)
20081	OJ000251_48.0228.C51.p5.gs	zf-ccch(HMM:5.3e-22)
20082	OJ000303_26.0411.C16.p2.gs	zf-ccch(HMM:7.9e-22)

20083	OJ000314_04.0414.C7.p1.gs	zf-ccch(HMM:0.011)
20084	OJ000315_11.0419.C11.p3.gs	zf-ccch(HMM:1.2e-15)
20085	OJ000315_11.0419.C13.p1.gs	zf-ccch(HMM:0.031)
20086	OJ000315_21.0405.C2.p3.gs	zf-ccch(HMM:0.017)
20087	OJ000315_21.0420.C2.p3.gs	zf-ccch(HMM:0.017)
20088	OJ000316_09.0419.C22.p1.gs	zf-ccch(HMM:0.065)
20089	OJ000316_19.0419.C13.p1.gs	zf-ccch(HMM:0.25)
20090	OJ000324_27.0420.C1.p1.gs	zf-ccch(HMM:0.0029)
20091	OJ000324_30.0413.C8.p1.gs	zf-ccch(HMM:4.2e-14)
20092	OJ000324_30.0420.C21.p1.gs	zf-ccch(HMM:4.2e-14)
20093	OJ000327_09.0424.C31.p1.gs	zf-ccch(HMM:0.019)
20094	OJ000331_01.0419.C17.p2.gs	zf-ccch(HMM:0.011)
20095	OJ000450_13.0410.C4.p14.gs	zf-ccch(HMM:1.4e-16)
20096	OJ990203_08.9819.C9.p3.gs	zf-ccch(HMM:0.011)
20097	OJ990312_14.9819.C4.p2.gs	zf-ccch(HMM:2.1e-23)
20098	OJ990318_06.0228.C53.p2.gs	zf-ccch(HMM:5.3e-22)
20099	OJ990527_23.9C10.C3.p5.gs	zf-ccch(HMM:0.089)
20100	OJ990612_47.9927.C8.p1.gs	zf-ccch(HMM:5.5e-11)
20101	OJ990715_11.0419.C22.p3.gs	zf-ccch(HMM:0.054)
20102	OJ990802_12.0218.C7.p7.gs	zf-ccch(HMM:0.0073)
20103	OJ990825_16.0303.C4.p4.gs	zf-ccch(HMM:2.1e-23)
20104	OJ991007_03.0421.C6.p1.gs	zf-ccch(HMM:4.9e-06)
20105	OJ991007_03.9C27.C6.p1.gs	zf-ccch(HMM:4.9e-06)
20106	OJ991012_10.0127.C24.p1.gs	zf-ccch(HMM:1.4e-16)
20107	OJ991027_16.0118.C9.p2.gs	zf-ccch(HMM:0.0029)
20108	OJ991027_18.0118.C1.p1.gs	zf-ccch(HMM:0.1)
20109	OJ991116_12.0107.C14.p1.gs	zf-ccch(HMM:9.2e-09)
20110	OJ991121_44.0419.C40.p1.gs	zf-ccch(HMM:0.089)
20111	OJ991201_09.0421.C10.p3.gs	zf-ccch(HMM:0.0073)
20112	OJ991201_09.9C23.C11.p3.gs	zf-ccch(HMM:0.0073)
20113	OJ991208_06.0107.C1.p1.gs	zf-ccch(HMM:2.1e-23)
20114	OJ991209_05.0118.C8.p3.gs	zf-ccch(HMM:0.054)
20115	OJ991216_10.0211.C10.p2.gs	zf-ccch(HMM:4.2e-14)
20116	OJ000150_15.0124.C30.p1.gs	zf-constans(HMM:1.7e-15)
20117	OJ000310_08.0419.C34.p1.gs	zf-constans(HMM:0.004)
20118	OJ990317_09.0421.C16.p1.gs	zf-constans(HMM:2e-28)
20119	OJ990317_09.9C20.C16.p1.gs	zf-constans(HMM:2e-28)
20120	OJ990517_13.9A08.C40.p1.gs	zf-constans(HMM:1.4e-28)
20121	OJ990528_29.9C10.C2.p3.gs	zf-constans(HMM:3e-39)
20122	OJ990627_42.9B05.C9.p5.gs	zf-constans(HMM:1.4e-28)
20123	OJ990701_09.9A01.C13.p2.gs	zf-constans(HMM:4.5e-07)
20124	OJ990728_09.9B18.C2.p8.gs	zf-constans(HMM:1.4e-28)
20125	OJ991108_19.0419.C61.p1.gs	zf-constans(HMM:7.7e-15)
20126	OJ991201_08.9C23.C3.p1.gs	zf-constans(HMM:7.5e-25)
20127	OJ000103_03.0204.C2.p7.gs	zf-mynd(HMM:0.012)
20128	OJ000103_03.0426.C2.p7.gs	zf-mynd(HMM:0.012)
20129	OJ000250_70.0214.C7.p2.gs	zf-mynd(HMM:0.012)
20130	OJ000250_70.0303.C3.p2.gs	zf-mynd(HMM:0.012)
20131	OJ000316_03.0410.C5.p2.gs	zf-mynd(HMM:2.9e-07)
20132	OJ000320_32.0419.C2.p1.gs	zf-mynd(HMM:0.012)
20133	OJ000330_39.0420.C5.p3.gs	zf-mynd(HMM:3e-11)
20134	OJ990514_12.0103.C8.p1.gs	zf-mynd(HMM:1.7e-09)
20135	OJ990517_12.9A29.C9.p2.gs	zf-mynd(HMM:0.012)
20136	OJ990619_46.0103.C7.p2.gs	zf-mynd(HMM:0.012)

20137	OJ990809_11.9C01.C9.p1.gs	zf-mynd(HMM:1.4e-10)
20138	OJ991011_13.0103.C4.p3.gs	zf-mynd(HMM:7.7e-12)
20139	OJ991028_10.0118.C2.p2.gs	zf-mynd(HMM:0.012)
20140	OJ991112_13.0110.C9.p1.gs	zf-mynd(HMM:3e-11)
20141	OJ991119_18.9C21.C29.p1.gs	zf-mynd(HMM:0.012)
20142	OJ991215_03.0128.C9.p3.gs	zf-mynd(HMM:7.7e-12)
20143	OJ000310_37.0419.C11.p1.gs	zz(HMM:0.0027)
20144	OJ000315_07.0420.C38.p1.gs	zz(HMM:4.6e-09)
20145	OJ000321_16.0419.C14.p2.gs	zz(HMM:2.3e-12)
20146	OJ990330_12.9922.C16.p2.gs	zz(HMM:0.067)
20147	OJ990616_02.9C23.C8.p1.gs	zz(HMM:1.4e-05)
20148	OJ990818_13.0217.C19.p1.gs	zz(HMM:0.0027)
20149	OJ990818_13.0317.C7.p1.gs	zz(HMM:0.0027)
20150	OJ990830_07.9A25.C32.p1.gs	zz(HMM:0.067)
20151	OJ991019_16.0118.C21.p1.gs	zz(HMM:5.6e-09)
20152	OJ991019_19.0306.C2.p2.gs	zz(HMM:5.6e-09)
20153	OJ991101_05.0202.C1.p3.gs	zz(HMM:0.024)
20154	OJ991101_05.0202.C12.p2.gs	zz(HMM:0.067)
20155	OJ991107_39.9C17.C12.p2.gs	zz(HMM:4.6e-09)
20156	OJ991201_16.0421.C8.p10.gs	zz(HMM:0.067)
20157	OJ991201_16.0421.C8.p4.gs	zz(HMM:0.024)
20158	OJ991201_16.9C28.C14.p10.gs	zz(HMM:0.067)
20159	OJ991201_16.9C28.C14.p4.gs	zz(HMM:0.024)

Table 12. Nucleic acid sequences encoding transcription factors from rice

SEQ NUM	SEQ ID	Family/Method/E-value
20160	OJ000110_02.0330.C79.p1.np	14-3-3(HMM:2.9e-13)
20161	OJ000110_02.0330.C80.p1.np	14-3-3(HMM:1.1e-08)
20162	OJ000110_02.0426.C79.p1.np	14-3-3(HMM:2.9e-13)
20163	OJ000110_02.0426.C80.p1.np	14-3-3(HMM:1.1e-08)
20164	OJ000112_18.0224.C2.p4.np	14-3-3(HMM:2.4e-177)
20165	OJ000112_18.0426.C2.p4.np	14-3-3(HMM:2.4e-177)
20166	OJ000113_01.0331.C3.p3.np	14-3-3(HMM:3.4e-17)
20167	OJ000113_01.0426.C3.p3.np	14-3-3(HMM:3.4e-17)
20168	OJ000250_48.0211.C7.p2.np	14-3-3(HMM:1.7e-181)
20169	OJ990412_09.9923.C13.p1.np	14-3-3(HMM:2.7e-180)
20170	OJ990429_03.9B02.C44.p1.np	14-3-3(HMM:1.8e-32)
20171	OJ990429_08.9C23.C17.p5.np	14-3-3(HMM:1.1e-09)
20172	OJ990518_02.9B16.C45.p1.np	14-3-3(HMM:4.8e-32)
20173	OJ990518_02.9B16.C47.p1.np	14-3-3(HMM:1.2e-06)
20174	OJ990518_02.9B16.C48.p1.np	14-3-3(HMM:3.5e-12)
20175	OJ990615_05.9C14.C20.p2.np	14-3-3(HMM:3.2e-46)
20176	OJ990615_05.9C14.C21.p1.np	14-3-3(HMM:2.2e-35)
20177	OJ990615_06.9926.C26.p1.np	14-3-3(HMM:9.9e-85)
20178	OJ990709_02.0207.C11.p3.np	14-3-3(HMM:2.7e-168)
20179	OJ990729_13.9A05.C1.p4.np	14-3-3(HMM:2.4e-177)
20180	OJ990803_09.9B05.C2.p2.np	14-3-3(HMM:1.8e-181)
20181	OJ991108_17.0417.C36.p1.np	14-3-3(HMM:6.5e-118)
20182	OJ991108_19.0419.C55.p1.np	14-3-3(HMM:2.1e-62)
20183	OJ991108_19.0419.C56.p1.np	14-3-3(HMM:3.4e-24)
20184	OJ991118_17.0421.C10.p2.np	14-3-3(HMM:5.2e-33)
20185	OJ991118_17.9C22.C10.p2.np	14-3-3(HMM:5.2e-33)
20186	OJ991206_14.0215.C3.p1.np	14-3-3(HMM:5.5e-11)
20187	OJ000105_16.0204.C22.p1.np	ank(HMM:1.7e-05)
20188	OJ000105_16.0426.C22.p1.np	ank(HMM:1.7e-05)
20189	OJ000106_08.0222.C34.p6.np	ank(HMM:3e-22)
20190	OJ000106_08.0222.C36.p1.np	ank(HMM:5.6e-25)
20191	OJ000106_08.0222.C37.p1.np	ank(HMM:1.3e-22)
20192	OJ000106_08.0317.C8.p1.np	ank(HMM:1.1e-17)
20193	OJ000106_08.0317.C9.p1.np	ank(HMM:5.6e-25)
20194	OJ000106_08.0426.C8.p1.np	ank(HMM:1.1e-17)
20195	OJ000106_08.0426.C9.p1.np	ank(HMM:5.6e-25)
20196	OJ000107_10.0215.C31.p1.np	ank(HMM:1.1e-35)
20197	OJ000107_10.0215.C6.p2.np	ank(HMM:2.1e-21)
20198	OJ000107_10.0426.C31.p1.np	ank(HMM:1.1e-35)
20199	OJ000107_10.0426.C6.p2.np	ank(HMM:2.1e-21)
20200	OJ000112_15.0214.C8.p2.np	ank(HMM:2.4e-24)
20201	OJ000112_15.0310.C8.p2.np	ank(HMM:2.4e-24)
20202	OJ000112_15.0426.C8.p2.np	ank(HMM:2.4e-24)
20203	OJ000113_12.0223.C40.p1.np	ank(HMM:0.13)
20204	OJ000113_20.0203.C6.p2.np	ank(HMM:3.3e-17)
20205	OJ000114_11.0217.C19.p2.np	ank(HMM:6.7e-23)
20206	OJ000115_33.0331.C16.p1.np	ank(HMM:0.0025)
20207	OJ000118_13.0419.C15.p3.np	ank(HMM:1.3e-33)
20208	OJ000118_13.0419.C26.p1.np	ank(HMM:2.4e-27)
20209	OJ000118_20.0222.C19.p1.np	ank(HMM:9.1e-24)
20210	OJ000121_08.0306.C18.p1.np	ank(HMM:5.4e-06)
20211	OJ000121_08.0306.C22.p1.np	ank(HMM:2.6e-39)

20212	OJ000204_18.0225.C3.p3.np	ank(HMM:4.1e-05)
20213	OJ000204_18.0225.C4.p1.np	ank(HMM:4.8e-30)
20214	OJ000207_15.0315.C11.p2.np	ank(HMM:1.8e-12)
20215	OJ000209_23.0320.C1.p1.np	ank(HMM:7.1e-42)
20216	OJ000210_06.0306.C13.p2.np	ank(HMM:1.8e-07)
20217	OJ000211_02.0327.C10.p1.np	ank(HMM:2.1e-19)
20218	OJ000214_22.0328.C14.p1.np	ank(HMM:7.4e-30)
20219	OJ000217_12.0419.C11.p1.np	ank(HMM:0.18)
20220	OJ000217_12.0419.C12.p1.np	ank(HMM:5.2e-08)
20221	OJ000217_12.0419.C45.p1.np	ank(HMM:3.5e-08)
20222	OJ000217_12.0419.C47.p1.np	ank(HMM:7.8e-11)
20223	OJ000222_19.0322.C9.p1.np	ank(HMM:1.4e-41)
20224	OJ000229_22.0323.C28.p1.np	ank(HMM:2.9e-15)
20225	OJ000250_26.0225.C3.p6.np	ank(HMM:2e-25)
20226	OJ000250_45.0211.C3.p1.np	ank(HMM:1.9e-35)
20227	OJ000250_73.0214.C3.p4.np	ank(HMM:0.00077)
20228	OJ000250_77.0222.C5.p2.np	ank(HMM:8.1e-06)
20229	OJ000251_02.0313.C31.p1.np	ank(HMM:0.00077)
20230	OJ000251_09.0406.C15.p1.np	ank(HMM:7.7e-35)
20231	OJ000251_09.0406.C27.p2.np	ank(HMM:5.8e-05)
20232	OJ000251_32.0217.C9.p1.np	ank(HMM:8.9e-15)
20233	OJ000301_08.0407.C6.p2.np	ank(HMM:9.3e-27)
20234	OJ000301_24.0403.C2.p2.np	ank(HMM:4.2e-13)
20235	OJ000302_01.0405.C14.p1.np	ank(HMM:2.4e-24)
20236	OJ000303_10.0405.C2.p1.np	ank(HMM:8.5e-16)
20237	OJ000303_14.0419.C12.p2.np	ank(HMM:7.5e-23)
20238	OJ000303_16.0331.C6.p3.np	ank(HMM:2.4e-12)
20239	OJ000303_26.0411.C18.p1.np	ank(HMM:6.5e-34)
20240	OJ000306_08.0419.C1.p1.np	ank(HMM:1.5e-06)
20241	OJ000306_10.0419.C10.p3.np	ank(HMM:9.2e-18)
20242	OJ000306_10.0419.C11.p1.np	ank(HMM:2.4e-16)
20243	OJ000307_02.0330.C8.p1.np	ank(HMM:1.1e-17)
20244	OJ000307_02.0330.C8.p2.np	ank(HMM:1.7e-23)
20245	OJ000307_05.0403.C2.p2.np	ank(HMM:2.7e-19)
20246	OJ000307_05.0403.C2.p3.np	ank(HMM:2.6e-17)
20247	OJ000307_05.0403.C4.p3.np	ank(HMM:1.3e-36)
20248	OJ000310_11.0411.C5.p1.np	ank(HMM:1.5e-13)
20249	OJ000310_11.0420.C4.p1.np	ank(HMM:1.5e-13)
20250	OJ000314_01.0419.C3.p1.np	ank(HMM:2.9e-07)
20251	OJ000315_03.0411.C9.p3.np	ank(HMM:1.6e-25)
20252	OJ000315_03.0411.C9.p4.np	ank(HMM:1.3e-27)
20253	OJ000315_07.0420.C48.p1.np	ank(HMM:6.1e-21)
20254	OJ000316_15.0419.C7.p2.np	ank(HMM:8.7e-31)
20255	OJ000320_30.0419.C32.p1.np	ank(HMM:2.2e-22)
20256	OJ000320_39.0418.C16.p1.np	ank(HMM:1.3e-36)
20257	OJ000321_01.0419.C24.p1.np	ank(HMM:1e-19)
20258	OJ000323_30.0420.C2.p1.np	ank(HMM:0.00054)
20259	OJ000323_30.0420.C7.p1.np	ank(HMM:2.8e-35)
20260	OJ000324_19.0419.C24.p2.np	ank(HMM:7.5e-23)
20261	OJ000327_24.0425.C2.p2.np	ank(HMM:1.5e-20)
20262	OJ000327_24.0425.C2.p3.np	ank(HMM:1.5e-20)
20263	OJ000327_25.0419.C8.p3.np	ank(HMM:1.8e-26)
20264	OJ000330_08.0419.C17.p1.np	ank(HMM:1.3e-09)
20265	OJ000350_28.0314.C20.p4.np	ank(HMM:2.6e-05)

OJ000350_28.0314.C9.p1.np	ank(HMM:1.3e-14)
OJ000350_30.0314.C12.p2.np	ank(HMM:5.4e-06)
OJ000350_30.0314.C13.p1.np	ank(HMM:2.6e-39)
OJ000450_03.0419.C23.p2.np	ank(HMM:4.8e-07)
OJ000450_09.0412.C2.p2.np	ank(HMM:1.3e-36)
OJ000450_09.0412.C6.p2.np	ank(HMM:2.7e-19)
OJ000450_09.0412.C6.p3.np	ank(HMM:2.6e-17)
OJ990211_02.9819.C34.p1.np	ank(HMM:8.7e-22)
OJ990211_03.9819.C28.p1.np	ank(HMM:8.7e-22)
OJ990318_03.9A03.C3.p1.np	ank(HMM:7.4e-14)
OJ990318_17.9819.C7.p2.np	ank(HMM:0.00029)
OJ990322_05.0323.C12.p4.np	ank(HMM:2.1e-09)
OJ990322_05.9819.C12.p1.np	ank(HMM:2.1e-09)
OJ990322_05.9819.C12.p2.np	ank(HMM:2.1e-09)
OJ990322_05.9819.C4.p1.np	ank(HMM:0.055)
OJ990323_07.9A06.C32.p1.np	ank(HMM:3e-48)
OJ990323_17.9819.C1.p3.np	ank(HMM:3.3e-06)
OJ990331_04.0128.C19.p1.np	ank(HMM:2.1e-09)
OJ990331_04.0421.C16.p1.np	ank(HMM:2.1e-09)
OJ990402_21.9819.C9.p1.np	ank(HMM:3.2e-08)
OJ990415_03.9922.C17.p3.np	ank(HMM:0.00024)
OJ990415_03.9922.C18.p1.np	ank(HMM:4.7e-06)
OJ990415_03.9922.C35.p2.np	ank(HMM:5.5e-06)
OJ990415_03.9922.C35.p3.np	ank(HMM:3.9e-09)
OJ990416_05.9A01.C12.p4.np	ank(HMM:2e-34)
OJ990416_05.9A01.C12.p5.np	ank(HMM:1.1e-18)
OJ990416_06.9819.C22.p1.np	ank(HMM:1.1e-18)
OJ990420_06.9923.C26.p1.np	ank(HMM:1.3e-36)
OJ990420_06.9923.C5.p1.np	ank(HMM:2.2e-08)
OJ990423_07.9B01.C36.p1.np	ank(HMM:1.1e-17)
OJ990426_02.0419.C158.p1.np	ank(HMM:1.1e-17)
OJ990426_02.9608.C95.p1.np	ank(HMM:1.1e-17)
OJ990427_23.9C03.C10.p1.np	ank(HMM:8.9e-15)
OJ990428_20.9924.C22.p8.np	ank(HMM:2e-25)
OJ990502_31.9A15.C10.p2.np	ank(HMM:3.6e-28)
OJ990503_01.9A29.C46.p2.np	ank(HMM:1.3e-36)
OJ990517_12.9A29.C69.p1.np	ank(HMM:1e-10)
OJ990518_04.9C17.C25.p1.np	ank(HMM:1.5e-11)
OJ990518_04.9C17.C75.p1.np	ank(HMM:2.7e-05)
OJ990519_21.9A20.C6.p1.np	ank(HMM:4.1e-29)
OJ990519_25.9A03.C3.p1.np	ank(HMM:2e-22)
OJ990519_26.9C03.C4.p4.np	ank(HMM:4.6e-11)
OJ990519_26.9C03.C5.p3.np	ank(HMM:7.6e-30)
OJ990519_29.9B05.C1.p5.np	ank(HMM:1.1e-17)
OJ990527_03.9C03.C37.p1.np	ank(HMM:1.2e-07)
OJ990527_03.9C03.C39.p1.np	ank(HMM:2.1e-09)
OJ990527_03.9C03.C39.p2.np	ank(HMM:2.1e-09)
OJ990530_44.9819.C1.p5.np	ank(HMM:1.9e-15)
OJ990531_43.9C03.C8.p1.np	ank(HMM:8.9e-15)
OJ990617_03.9922.C3.p4.np	ank(HMM:0.017)
OJ990618_03.9B19.C17.p1.np	ank(HMM:3.3e-13)
OJ990619_45.9C20.C2.p1.np	ank(HMM:3e-27)
OJ990626_40.0211.C20.p1.np	ank(HMM:1.4e-32)
OJ990630_04.9C01.C12.p2.np	ank(HMM:7.6e-18)

20320	OJ990630_04.9C01.C12.p3.np	ank(HMM:3.3e-14)
20321	OJ990703_47.9C16.C4.p3.np	ank(HMM:2e-38)
20322	OJ990706_01.9921.C47.p1.np	ank(HMM:7.5e-09)
20323	OJ990706_01.9921.C7.p1.np	ank(HMM:2.6e-05)
20324	OJ990706_01.9921.C9.p1.np	ank(HMM:2.4e-05)
20325	OJ990709_12.9A11.C7.p1.np	ank(HMM:4.9e-07)
20326	OJ990721_03.9C10.C7.p1.np	ank(HMM:1.2e-11)
20327	OJ990722_13.9C03.C6.p2.np	ank(HMM:1.1e-24)
20328	OJ990728_03.9C13.C20.p1.np	ank(HMM:2.4e-10)
20329	OJ990807_31.0419.C5.p1.np	ank(HMM:6.3e-11)
20330	OJ990807_32.0211.C7.p3.np	ank(HMM:1.5e-49)
20331	OJ990807_32.0211.C7.p4.np	ank(HMM:5.4e-33)
20332	OJ990810_05.9B08.C10.p1.np	ank(HMM:1.9e-21)
20333	OJ990810_05.9B08.C19.p1.np	ank(HMM:3.9e-06)
20334	OJ990810_05.9B08.C2.p1.np	ank(HMM:9.6e-18)
20335	OJ990815_36.9B15.C2.p2.np	ank(HMM:1.9e-16)
20336	OJ990817_07.9A01.C3.p2.np	ank(HMM:1.4e-29)
20337	OJ990827_09.0103.C18.p1.np	ank(HMM:1.9e-15)
20338	OJ990913_16.0421.C8.p1.np	ank(HMM:3.9e-14)
20339	OJ990923_05.9B16.C2.p3.np	ank(HMM:1.1e-18)
20340	OJ990923_05.9B16.C2.p4.np	ank(HMM:2e-38)
20341	OJ991001_03.0107.C5.p1.np	ank(HMM:4.6e-11)
20342	OJ991007_03.0421.C3.p2.np	ank(HMM:8e-18)
20343	OJ991007_03.0421.C5.p2.np	ank(HMM:1.4e-05)
20344	OJ991007_03.9C27.C3.p2.np	ank(HMM:8e-18)
20345	OJ991007_03.9C27.C5.p2.np	ank(HMM:1.4e-05)
20346	OJ991014_02.0110.C52.p1.np	ank(HMM:2.7e-06)
20347	OJ991019_09.0211.C10.p3.np	ank(HMM:7.8e-42)
20348	OJ991020_16.0218.C2.p3.np	ank(HMM:1.6e-32)
20349	OJ991021_06.0218.C10.p1.np	ank(HMM:8.7e-22)
20350	OJ991022_08.0308.C34.p1.np	ank(HMM:6.6e-34)
20351	OJ991022_14.0119.C6.p3.np	ank(HMM:5.6e-33)
20352	OJ991022_14.0119.C7.p1.np	ank(HMM:4.1e-12)
20353	OJ991022_14.0119.C9.p3.np	ank(HMM:7.9e-40)
20354	OJ991026_09.0222.C19.p1.np	ank(HMM:2.1e-06)
20355	OJ991027_15.0118.C9.p3.np	ank(HMM:1.1e-24)
20356	OJ991027_15.0303.C7.p3.np	ank(HMM:1.1e-24)
20357	OJ991027_17.0118.C20.p3.np	ank(HMM:6.1e-09)
20358	OJ991029_14.0229.C25.p1.np	ank(HMM:4.2e-06)
20359	OJ991029_14.0229.C25.p2.np	ank(HMM:0.016)
20360	OJ991101_03.0218.C10.p2.np	ank(HMM:0.017)
20361	OJ991107_30.0204.C11.p5.np	ank(HMM:1.4e-20)
20362	OJ991107_39.9C17.C9.p2.np	ank(HMM:6.1e-21)
20363	OJ991110_01.0218.C16.p1.np	ank(HMM:2.1e-07)
20364	OJ991110_02.0225.C4.p1.np	ank(HMM:2.7e-20)
20365	OJ991110_02.0225.C4.p2.np	ank(HMM:1.1e-18)
20366	OJ991110_06.0330.C4.p1.np	ank(HMM:7.6e-30)
20367	OJ991110_06.0330.C4.p2.np	ank(HMM:4.2e-13)
20368	OJ991110_06.0330.C4.p6.np	ank(HMM:4.6e-11)
20369	OJ991112_18.0419.C1.p1.np	ank(HMM:1.4e-12)
20370	OJ991112_18.0419.C2.p1.np	ank(HMM:4.7e-11)
20371	OJ991112_18.0419.C34.p1.np	ank(HMM:8.2)
20372	OJ991112_18.0419.C43.p1.np	ank(HMM:1.3e-10)
20373	OJ991112_18.0419.C57.p1.np	ank(HMM:8.8e-08)

20374	OJ991117_10.0421.C10.p4.np	ank(HMM:1.8e-26)
20375	OJ991117_10.9C21.C9.p4.np	ank(HMM:1.8e-26)
20376	OJ991122_09.0330.C21.p1.np	ank(HMM:8e-18)
20377	OJ991122_10.0419.C43.p2.np	ank(HMM:2.4e-22)
20378	OJ991208_04.0128.C3.p1.np	ank(HMM:1.7e-15)
20379	OJ991209_10.0119.C14.p2.np	ank(HMM:1.4e-41)
20380	OJ991209_13.0301.C3.p3.np	ank(HMM:2.1e-05)
20381	OJ991210_01.0110.C4.p5.np	ank(HMM:1e-17)
20382	OJ991210_06.0110.C7.p1.np	ank(HMM:0.00077)
20383	OJ991214_16.0111.C6.p1.np	ank(HMM:5.2e-30)
20384	OJ991217_08.0202.C5.p2.np	ank(HMM:2.6e-19)
20385	OJ991217_08.0202.C5.p3.np	ank(HMM:8.2e-16)
20386	OJ991217_20.0218.C15.p1.np	ank(HMM:5.7e-06)
20387	OJ991225_73.0317.C13.p1.np	ank(HMM:1.8e-24)
20388	OJ991226_50.0317.C3.p1.np	ank(HMM:8.7e-22)
20389	OJ000150_05.0124.C10.p2.np	ank(HMM:1.1e-12),btb(HMM:6.8e-15)
20390	OJ000150_05.0421.C9.p2.np	ank(HMM:1.1e-12),btb(HMM:6.8e-15)
20391	OJ000303_05.0410.C4.p3.np	ank(HMM:2.5e-12),btb(HMM:0.0029)
20392	OJ990709_01.9919.C8.p1.np	ank(HMM:2.5e-12),btb(HMM:0.0013)
20393	OJ990410_27.9922.C7.p5.np	ank(HMM:2e-18),chromo(HMM:4.1e-05)
20394	OJ000302_08.0410.C6.p1.np	ank(HMM:0.047),sbpb(HMM:0.0055)
20395	OJ991112_11.0421.C4.p2.np	ank(HMM:3.8e-28),zf-c3hc4(HMM:0.048)
20396	OJ991112_11.9C22.C4.p2.np	ank(HMM:3.8e-28),zf-c3hc4(HMM:0.048)
20397	OJ990517_24.9A01.C42.p1.np	ank(HMM:0.0011),zf-ccch(HMM:0.046)
20398	OJ990630_02.9C01.C11.p2.np	ank(HMM:2.7e-12),zf-ccch(HMM:0.0052)
20399	OJ990830_12.9C03.C1.p1.np	ank(HMM:8.5e-07),zf-ccch(HMM:0.051)
20400	OJ991014_01.0111.C15.p3.np	ank(HMM:2.7e-12),zf-ccch(HMM:0.0052)
20401	OJ000102_54.0426.C89.p1.np	ap2-domain(HMM:1.1e-40)
20402	OJ000102_76.0222.C9.p5.np	ap2-domain(HMM:1.3e-35)
20403	OJ000102_76.0426.C9.p6.np	ap2-domain(HMM:1.3e-35)
20404	OJ000103_02.0124.C6.p1.np	ap2-domain(HMM:7.1e-28)
20405	OJ000103_02.0426.C6.p1.np	ap2-domain(HMM:7.1e-28)
20406	OJ000103_04.0303.C9.p2.np	ap2-domain(HMM:1.2e-59)
20407	OJ000103_04.0426.C9.p2.np	ap2-domain(HMM:1.2e-59)
20408	OJ000106_03.0216.C2.p1.np	ap2-domain(HMM:1.8e-35)
20409	OJ000106_03.0426.C2.p1.np	ap2-domain(HMM:1.8e-35)
20410	OJ000108_54.0419.C20.p1.np	ap2-domain(HMM:1.1e-40)
20411	OJ000108_54.0426.C20.p1.np	ap2-domain(HMM:1.1e-40)
20412	OJ000108_58.0228.C8.p1.np	ap2-domain(HMM:3.6e-35)
20413	OJ000110_18.0301.C3.p2.np	ap2-domain(HMM:1.2)
20414	OJ000110_18.0426.C3.p2.np	ap2-domain(HMM:1.2)
20415	OJ000113_04.0302.C14.p1.np	ap2-domain(HMM:6.5e-51)

20416	OJ000113_04.0426.C14.p1.np	ap2-domain(HMM:6.5e-51)
20417	OJ000113_23.0214.C4.p1.np	ap2-domain(HMM:1.7e-28)
20418	OJ000113_23.0303.C4.p1.np	ap2-domain(HMM:1.7e-28)
20419	OJ000113_24.0203.C11.p1.np	ap2-domain(HMM:5.3e-38)
20420	OJ000114_03.0320.C19.p1.np	ap2-domain(HMM:2.2e-38)
20421	OJ000114_13.0224.C5.p2.np	ap2-domain(HMM:4.8e-36)
20422	OJ000117_20.0222.C7.p2.np	ap2-domain(HMM:1.9e-27)
20423	OJ000118_11.0307.C6.p1.np	ap2-domain(HMM:1.5e-64)
20424	OJ000118_16.0301.C12.p2.np	ap2-domain(HMM:1.1e-38)
20425	OJ000118_16.0301.C16.p1.np	ap2-domain(HMM:3.4e-68)
20426	OJ000118_16.0317.C13.p1.np	ap2-domain(HMM:1.1e-38)
20427	OJ000118_16.0317.C9.p2.np	ap2-domain(HMM:3.4e-68)
20428	OJ000118_23.0419.C8.p1.np	ap2-domain(HMM:1e-10)
20429	OJ000204_21.0413.C5.p4.np	ap2-domain(HMM:1.8e-39)
20430	OJ000204_22.0419.C7.p2.np	ap2-domain(HMM:1.8e-39)
20431	OJ000204_28.0222.C9.p2.np	ap2-domain(HMM:9.8e-40)
20432	OJ000207_03.0330.C21.p1.np	ap2-domain(HMM:9.8e-40)
20433	OJ000207_10.0314.C17.p3.np	ap2-domain(HMM:1.4e-15)
20434	OJ000207_18.0323.C14.p1.np	ap2-domain(HMM:2.3e-38)
20435	OJ000207_18.0323.C15.p1.np	ap2-domain(HMM:0.87)
20436	OJ000207_18.0323.C21.p4.np	ap2-domain(HMM:2.6e-38)
20437	OJ000208_14.0419.C18.p1.np	ap2-domain(HMM:0.13)
20438	OJ000208_19.0419.C8.p1.np	ap2-domain(HMM:1.7e-38)
20439	OJ000208_26.0302.C5.p1.np	ap2-domain(HMM:2e-37)
20440	OJ000209_01.0301.C13.p1.np	ap2-domain(HMM:1.6e-52)
20441	OJ000209_02.0314.C47.p1.np	ap2-domain(HMM:1.6e-52)
20442	OJ000209_05.0228.C3.p3.np	ap2-domain(HMM:2.2e-38)
20443	OJ000209_07.0323.C2.p1.np	ap2-domain(HMM:7.1e-40)
20444	OJ000209_10.0317.C9.p1.np	ap2-domain(HMM:2.2e-38)
20445	OJ000214_08.0419.C35.p1.np	ap2-domain(HMM:2.8e-40)
20446	OJ000221_17.0407.C6.p1.np	ap2-domain(HMM:0.016)
20447	OJ000221_22.0309.C18.p2.np	ap2-domain(HMM:1.2)
20448	OJ000223_12.0316.C1.p1.np	ap2-domain(HMM:1.5e-38)
20449	OJ000223_19.0403.C3.p1.np	ap2-domain(HMM:6.6e-67)
20450	OJ000224_06.0317.C22.p1.np	ap2-domain(HMM:4.4e-07)
20451	OJ000229_21.0410.C9.p2.np	ap2-domain(HMM:9.8e-40)
20452	OJ000250_03.0420.C33.p1.np	ap2-domain(HMM:0.0023)
20453	OJ000250_25.0225.C5.p3.np	ap2-domain(HMM:7.9e-44)
20454	OJ000250_46.0211.C6.p3.np	ap2-domain(HMM:9.2e-42)
20455	OJ000250_46.0211.C8.p1.np	ap2-domain(HMM:1.1e-40)
20456	OJ000250_46.0303.C2.p5.np	ap2-domain(HMM:9.2e-42)
20457	OJ000250_46.0303.C3.p1.np	ap2-domain(HMM:1.1e-40)
20458	OJ000250_63.0419.C52.p2.np	ap2-domain(HMM:0.00026)
20459	OJ000250_71.0214.C26.p4.np	ap2-domain(HMM:9.7e-38)
20460	OJ000251_05.0228.C30.p1.np	ap2-domain(HMM:3.6e-35)
20461	OJ000251_21.0218.C2.p6.np	ap2-domain(HMM:0.00041)
20462	OJ000251_47.0320.C3.p2.np	ap2-domain(HMM:6.5e-36)
20463	OJ000251_51.0217.C4.p2.np	ap2-domain(HMM:1.1e-40)
20464	OJ000251_51.0217.C7.p1.np	ap2-domain(HMM:9.2e-42)
20465	OJ000301_05.0404.C11.p2.np	ap2-domain(HMM:3.6e-35)
20466	OJ000301_18.0330.C10.p1.np	ap2-domain(HMM:2.9e-21)
20467	OJ000306_03.0419.C30.p2.np	ap2-domain(HMM:1.4e-15)
20468	OJ000306_13.0410.C2.p1.np	ap2-domain(HMM:3.6e-35)
20469	OJ000306_13.0420.C7.p1.np	ap2-domain(HMM:3.6e-35)

20470	OJ000307_07.0330.C2.p2.np	ap2-domain(HMM:2.6e-32)
20471	OJ000308_06.0328.C6.p1.np	ap2-domain(HMM:2.6e-32)
20472	OJ000310_09.0419.C18.p1.np	ap2-domain(HMM:3.8e-24)
20473	OJ000310_12.0419.C31.p1.np	ap2-domain(HMM:1.1e-43)
20474	OJ000313_05.0419.C56.p1.np	ap2-domain(HMM:0.01)
20475	OJ000313_05.0419.C57.p1.np	ap2-domain(HMM:5.2e-24)
20476	OJ000313_06.0419.C5.p1.np	ap2-domain(HMM:0.017)
20477	OJ000313_26.0407.C2.p1.np	ap2-domain(HMM:8.2e-60)
20478	OJ000313_26.0420.C8.p1.np	ap2-domain(HMM:8.2e-60)
20479	OJ000314_13.0417.C16.p3.np	ap2-domain(HMM:1.1e-39)
20480	OJ000314_33.0419.C13.p1.np	ap2-domain(HMM:1.3e-22)
20481	OJ000315_12.0412.C3.p3.np	ap2-domain(HMM:1.1e-39)
20482	OJ000315_21.0405.C6.p1.np	ap2-domain(HMM:5.8e-36)
20483	OJ000315_21.0420.C4.p1.np	ap2-domain(HMM:5.8e-36)
20484	OJ000315_30.0419.C7.p1.np	ap2-domain(HMM:6.7e-60)
20485	OJ000315_36.0412.C18.p1.np	ap2-domain(HMM:5.8e-40)
20486	OJ000316_01.0413.C7.p2.np	ap2-domain(HMM:0.041)
20487	OJ000316_20.0418.C14.p2.np	ap2-domain(HMM:5.9e-38)
20488	OJ000316_20.0418.C4.p2.np	ap2-domain(HMM:9.4e-33)
20489	OJ000316_22.0419.C44.p1.np	ap2-domain(HMM:5.2e-22)
20490	OJ000320_07.0419.C10.p1.np	ap2-domain(HMM:6.9e-30)
20491	OJ000320_07.0419.C11.p1.np	ap2-domain(HMM:0.28)
20492	OJ000320_33.0412.C12.p3.np	ap2-domain(HMM:1.9e-31)
20493	OJ000321_04.0419.C27.p1.np	ap2-domain(HMM:9.6e-32)
20494	OJ000321_06.0419.C8.p1.np	ap2-domain(HMM:2.1e-30)
20495	OJ000321_31.0411.C6.p3.np	ap2-domain(HMM:6.5e-36)
20496	OJ000321_39.0417.C1.p1.np	ap2-domain(HMM:9.8e-40)
20497	OJ000323_16.0421.C5.p1.np	ap2-domain(HMM:0.00015)
20498	OJ000323_38.0418.C7.p2.np	ap2-domain(HMM:3.1e-40)
20499	OJ000324_28.0420.C11.p1.np	ap2-domain(HMM:0.26)
20500	OJ000327_04.0419.C7.p1.np	ap2-domain(HMM:1e-33)
20501	OJ000327_28.0417.C1.p1.np	ap2-domain(HMM:7.3e-29)
20502	OJ000327_36.0418.C7.p2.np	ap2-domain(HMM:2.3e-32)
20503	OJ000328_19.0419.C3.p2.np	ap2-domain(HMM:4.7e-42)
20504	OJ000328_19.0419.C3.p3.np	ap2-domain(HMM:1.5e-45)
20505	OJ000329_02.0418.C9.p2.np	ap2-domain(HMM:2.3e-32)
20506	OJ000329_03.0421.C10.p1.np	ap2-domain(HMM:7.4)
20507	OJ000350_31.0315.C17.p1.np	ap2-domain(HMM:1.4e-32)
20508	OJ000350_31.0315.C17.p2.np	ap2-domain(HMM:3.2e-33)
20509	OJ000404_28.0424.C21.p1.np	ap2-domain(HMM:0.00062)
20510	OJ000404_40.0419.C37.p1.np	ap2-domain(HMM:2.6e-27)
20511	OJ000450_01.0419.C20.p1.np	ap2-domain(HMM:1.5e-57)
20512	OJ000450_02.0417.C16.p1.np	ap2-domain(HMM:6.5e-56)
20513	OJ000450_08.0414.C14.p2.np	ap2-domain(HMM:2.4e-56)
20514	OJ000450_10.0411.C3.p2.np	ap2-domain(HMM:2.6e-32)
20515	OJ000450_10.0411.C3.p6.np	ap2-domain(HMM:4.1e-29)
20516	OJ990222_08.0420.C14.p1.np	ap2-domain(HMM:7e-35)
20517	OJ990222_08.9819.C24.p1.np	ap2-domain(HMM:7e-35)
20518	OJ990324_03.0419.C24.p1.np	ap2-domain(HMM:2.4e-10)
20519	OJ990324_03.0419.C60.p1.np	ap2-domain(HMM:7.1e-13)
20520	OJ990325_01.9C03.C29.p1.np	ap2-domain(HMM:1.4e-15)
20521	OJ990325_04.0114.C8.p1.np	ap2-domain(HMM:9.8e-33)
20522	OJ990405_01.9A01.C13.p1.np	ap2-domain(HMM:8.8e-39)
20523	OJ990414_05.9A08.C7.p10.np	ap2-domain(HMM:0.00096)

20524	OJ990414_05.9A08.C7.p8.np	ap2-domain(HMM:0.00096)
20525	OJ990414_09.9922.C36.p1.np	ap2-domain(HMM:7.1e-54)
20526	OJ990428_02.9A29.C15.p1.np	ap2-domain(HMM:2.3e-32)
20527	OJ990430_35.9922.C9.p2.np	ap2-domain(HMM:5.2e-57)
20528	OJ990501_21.9922.C6.p2.np	ap2-domain(HMM:1.9e-27)
20529	OJ990501_23.9C03.C4.p1.np	ap2-domain(HMM:7e-41)
20530	OJ990503_06.9C10.C45.p1.np	ap2-domain(HMM:1e-33)
20531	OJ990504_02.9A01.C2.p1.np	ap2-domain(HMM:9.1e-28)
20532	OJ990504_06.9C17.C2.p1.np	ap2-domain(HMM:1.6e-38)
20533	OJ990504_07.9C27.C28.p1.np	ap2-domain(HMM:0.001)
20534	OJ990504_07.9C27.C79.p2.np	ap2-domain(HMM:0.00096)
20535	OJ990504_07.9C27.C80.p1.np	ap2-domain(HMM:8.9e-27)
20536	OJ990505_05.9A11.C31.p2.np	ap2-domain(HMM:0.00026)
20537	OJ990529_36.9A05.C1.p5.np	ap2-domain(HMM:1.5e-38)
20538	OJ990531_32.9A01.C10.p1.np	ap2-domain(HMM:4.7e-35)
20539	OJ990531_32.9A01.C9.p4.np	ap2-domain(HMM:0.00096)
20540	OJ990602_10.0228.C23.p1.np	ap2-domain(HMM:3.6e-35)
20541	OJ990612_35.0103.C6.p1.np	ap2-domain(HMM:4.4e-37)
20542	OJ990626_41.9B16.C5.p2.np	ap2-domain(HMM:1.1e-20)
20543	OJ990701_02.9922.C5.p1.np	ap2-domain(HMM:1.3e-22)
20544	OJ990713_02.9C10.C4.p1.np	ap2-domain(HMM:8.9e-39)
20545	OJ990721_10.0211.C12.p1.np	ap2-domain(HMM:0.037)
20546	OJ990807_34.9C17.C39.p1.np	ap2-domain(HMM:1.6)
20547	OJ990816_07.0225.C11.p1.np	ap2-domain(HMM:9.8e-05)
20548	OJ990816_07.0225.C5.p1.np	ap2-domain(HMM:0.13)
20549	OJ990818_13.0217.C16.p1.np	ap2-domain(HMM:3.5e-34)
20550	OJ990818_13.0317.C26.p1.np	ap2-domain(HMM:3.5e-34)
20551	OJ990818_16.9C10.C12.p1.np	ap2-domain(HMM:0.073)
20552	OJ990819_11.9C17.C35.p1.np	ap2-domain(HMM:0.002)
20553	OJ990830_09.9C23.C19.p2.np	ap2-domain(HMM:7.2e-51)
20554	OJ990914_01.9B05.C7.p1.np	ap2-domain(HMM:4.5e-50)
20555	OJ990914_16.0207.C6.p2.np	ap2-domain(HMM:1.1e-20)
20556	OJ990915_04.9B04.C10.p1.np	ap2-domain(HMM:6.6e-36)
20557	OJ990917_09.9A29.C15.p2.np	ap2-domain(HMM:2.9e-21)
20558	OJ990924_06.9C01.C14.p1.np	ap2-domain(HMM:1.2e-40)
20559	OJ990927_04.9B22.C8.p1.np	ap2-domain(HMM:4.8e-41)
20560	OJ991001_01.0119.C11.p1.np	ap2-domain(HMM:1.2e-40)
20561	OJ991021_11.0218.C9.p1.np	ap2-domain(HMM:6e-53)
20562	OJ991107_31.0204.C9.p1.np	ap2-domain(HMM:1.8e-40)
20563	OJ991107_37.0113.C35.p1.np	ap2-domain(HMM:0.13)
20564	OJ991107_37.0421.C35.p1.np	ap2-domain(HMM:0.22)
20565	OJ991107_41.0128.C4.p2.np	ap2-domain(HMM:0.00026)
20566	OJ991109_11.0207.C12.p1.np	ap2-domain(HMM:8.9e-44)
20567	OJ991110_05.0307.C15.p2.np	ap2-domain(HMM:2.8e-35)
20568	OJ991112_01.0403.C16.p4.np	ap2-domain(HMM:6.1e-66)
20569	OJ991112_15.0104.C17.p2.np	ap2-domain(HMM:6.4e-57)
20570	OJ991113_39.0419.C11.p1.np	ap2-domain(HMM:1.9e-36)
20571	OJ991114_41.9C06.C3.p1.np	ap2-domain(HMM:1.2e-37)
20572	OJ991114_45.0419.C94.p1.np	ap2-domain(HMM:1.4e-23)
20573	OJ991116_02.0215.C7.p1.np	ap2-domain(HMM:1.5e-35)
20574	OJ991117_12.0421.C16.p4.np	ap2-domain(HMM:2.7e-26)
20575	OJ991118_02.0104.C13.p1.np	ap2-domain(HMM:1.2e-40)
20576	OJ991121_39.0229.C39.p3.np	ap2-domain(HMM:6e-53)
20577	OJ991122_09.0330.C11.p2.np	ap2-domain(HMM:0.00096)

20578	OJ991122_10.0419.C42.p6.np	ap2-domain(HMM:0.00096)
20579	OJ991206_04.0421.C10.p1.np	ap2-domain(HMM:6.6e-36)
20580	OJ991206_04.0421.C10.p2.np	ap2-domain(HMM:6.6e-36)
20581	OJ991206_04.9C30.C26.p1.np	ap2-domain(HMM:6.6e-36)
20582	OJ991206_04.9C30.C26.p2.np	ap2-domain(HMM:6.6e-36)
20583	OJ991206_14.0215.C50.p1.np	ap2-domain(HMM:6.6e-36)
20584	OJ991210_10.0110.C28.p1.np	ap2-domain(HMM:5e-25)
20585	OJ991211_65.0317.C8.p1.np	ap2-domain(HMM:4.1e-20)
20586	OJ991216_11.0113.C5.p2.np	ap2-domain(HMM:1.5e-57)
20587	OJ991226_49.0317.C10.p1.np	ap2-domain(HMM:2.9e-21)
20588	OJ000103_10.0215.C11.p1.np	ap2-domain(HMM:4.8e-26),arf(HMM:6.4),b3(HMM:6.4e-48)
20589	OJ000103_10.0426.C11.p1.np	ap2-domain(HMM:4.8e-26),arf(HMM:6.4),b3(HMM:6.4e-48)
20590	OJ991021_17.0125.C8.p5.np	ap2-domain(HMM:4.8e-26),arf(HMM:6.4),b3(HMM:6.4e-48)
20591	OJ000103_10.0215.C16.p1.np	ap2-domain(HMM:7.2e-24),b3(HMM:3.1e-38)
20592	OJ000103_10.0426.C16.p1.np	ap2-domain(HMM:7.2e-24),b3(HMM:3.1e-38)
20593	OJ991021_17.0125.C3.p2.np	ap2-domain(HMM:7.2e-24),b3(HMM:3.1e-38)
20594	OJ000207_17.0306.C14.p1.np	arf(HMM:0.00017)
20595	OJ000207_17.0323.C12.p1.np	arf(HMM:0.00017)
20596	OJ000310_04.0419.C36.p1.np	arf(HMM:0.01)
20597	OJ990820_01.0210.C13.p1.np	arf(HMM:2.3e-23)
20598	OJ000119_08.0302.C6.p2.np	arf(HMM:0.058),b3(HMM:1.2e-63)
20599	OJ000125_05.0316.C9.p1.np	arf(HMM:3.3e-265),b3(HMM:1.7e-43)
20600	OJ000217_13.0320.C10.p1.np	arf(HMM:8.2e-278),b3(HMM:5.9e-49)
20601	OJ000223_03.0330.C17.p1.np	arf(HMM:3.4e-66),b3(HMM:2.6e-52)
20602	OJ000250_39.0223.C7.p1.np	arf(HMM:1.4e-17),b3(HMM:9.2e-30)
20603	OJ000301_04.0403.C16.p1.np	arf(HMM:5.5e-268),b3(HMM:1.6e-44)
20604	OJ000302_05.0406.C12.p1.np	arf(HMM:1.6e-253),b3(HMM:1.9e-51)
20605	OJ000308_22.0419.C3.p1.np	arf(HMM:0.034),b3(HMM:4e-10)
20606	OJ000310_04.0419.C16.p1.np	arf(HMM:3.8e-69),b3(HMM:1.2e-60)
20607	OJ000320_29.0419.C32.p1.np	arf(HMM:1.4e-15),b3(HMM:1.2e-05)
20608	OJ000330_01.0424.C5.p1.np	arf(HMM:1.9e-08),b3(HMM:5.3e-34)
20609	OJ000330_03.0419.C1.p1.np	arf(HMM:2e-68),b3(HMM:3.3e-20)
20610	OJ000330_35.0419.C24.p1.np	arf(HMM:8.7e-

20611	OJ000331_01.0419.C1.p1.np	187),b3(HMM:6.6e-48) arf(HMM:1.5e-255),b3(HMM:2.2e-48)
20612	OJ000331_13.0420.C4.p2.np	arf(HMM:0.039),b3(HMM:1.2e-63)
20613	OJ000331_13.0420.C4.p4.np	arf(HMM:0.058),b3(HMM:1.2e-63)
20614	OJ000404_33.0424.C14.p2.np	arf(HMM:1.2e-138),b3(HMM:8.1e-45)
20615	OJ990203_05.9819.C2.p4.np	arf(HMM:1.2e-185),b3(HMM:1e-57)
20616	OJ990515_23.9A07.C8.p1.np	arf(HMM:3.3e-05),b3(HMM:6.6e-11)
20617	OJ990529_36.9A05.C5.p1.np	arf(HMM:3.9e-167),b3(HMM:1.1e-58)
20618	OJ990708_04.9A01.C8.p7.np	arf(HMM:2.6e-249),b3(HMM:6.7e-34)
20619	OJ990713_07.0419.C6.p1.np	arf(HMM:8.7e-228),b3(HMM:9.7e-47)
20620	OJ990805_01.9B19.C6.p1.np	arf(HMM:1.2e-184),b3(HMM:3.1e-58)
20621	OJ990823_06.9B03.C9.p1.np	arf(HMM:0.0045),b3(HMM:4.1e-48)
20622	OJ990920_18.9C06.C29.p1.np	arf(HMM:1.2),b3(HMM:4.1e-48)
20623	OJ000113_08.0215.C3.p3.np	arf(HMM:5.4e-233),b3(HMM:1.1e-47),iaa(HMM:7.1e-41)
20624	OJ000113_08.0426.C3.p3.np	arf(HMM:5.4e-233),b3(HMM:1.1e-47),iaa(HMM:7.1e-41)
20625	OJ000114_24.0315.C2.p5.np	arf(HMM:5.4e-233),b3(HMM:1.1e-47),iaa(HMM:7.1e-41)
20626	OJ000210_11.0302.C11.p1.np	arf(HMM:1.1e-225),b3(HMM:4.5e-50),iaa(HMM:1.3e-37)
20627	OJ000223_05.0419.C21.p1.np	arf(HMM:3.2e-103),b3(HMM:4.7e-42),iaa(HMM:0.36)
20628	OJ000223_22.0320.C8.p1.np	arf(HMM:1.6e-181),b3(HMM:2.2e-43),iaa(HMM:3.6e-12)
20629	OJ000302_20.0420.C9.p2.np	arf(HMM:3.2e-103),b3(HMM:4.7e-42),iaa(HMM:0.36)
20630	OJ000310_06.0417.C4.p3.np	arf(HMM:1.1e-225),b3(HMM:4.5e-50),iaa(HMM:1.3e-37)
20631	OJ990402_08.9922.C31.p2.np	arf(HMM:2.7e-229),b3(HMM:5.8e-47),iaa(HMM:4.7e-35)
20632	OJ990605_37.9922.C3.p2.np	arf(HMM:9.4e-241),b3(HMM:2.4e-49),iaa(HMM:4.7e-35)

20633	OJ991109_02.0118.C5.p1.np	arf(HMM:3.4e-262),b3(HMM:6.1e-46),iaa(HMM:4.3e-15)
20634	OJ991201_03.0310.C7.p1.np	arf(HMM:5.3e-105),b3(HMM:4.9e-43),iaa(HMM:1.1)
20635	OJ991201_03.0421.C6.p1.np	arf(HMM:1.3e-100),b3(HMM:4.9e-43),iaa(HMM:1.1)
20636	OJ991201_03.9C23.C17.p1.np	arf(HMM:5.3e-105),b3(HMM:4.9e-43),iaa(HMM:1.1)
20637	OJ991208_02.0106.C5.p5.np	arf(HMM:5.4e-233),b3(HMM:1.1e-47),iaa(HMM:7.1e-41)
20638	OJ000330_35.0419.C23.p1.np	arf(HMM:1.1e-18),iaa(HMM:3.7e-22)
20639	OJ000221_16.0403.C7.p1.np	arid(HMM:0.0012)
20640	OJ000321_33.0424.C30.p1.np	arid(HMM:0.00036)
20641	OJ000324_18.0420.C8.p2.np	arid(HMM:0.0047)
20642	OJ000330_02.0418.C16.p1.np	arid(HMM:0.00096)
20643	OJ990406_07.9C10.C14.p1.np	arid(HMM:0.00059)
20644	OJ990531_39.9919.C9.p2.np	arid(HMM:3.7e-05)
20645	OJ991117_07.0104.C63.p1.np	arid(HMM:3.7e-05)
20646	OJ991117_07.0421.C50.p2.np	arid(HMM:3.7e-05)
20647	OJ000105_19.0405.C46.p4.np	arid(HMM:8.5e-11),hmg_box(HMM:4.5e-18)
20648	OJ000105_19.0426.C46.p4.np	arid(HMM:8.5e-11),hmg_box(HMM:4.5e-18)
20649	OJ000208_08.0321.C10.p1.np	athook(HMM:0.0072)
20650	OJ000210_13.0424.C2.p3.np	athook(HMM:0.077)
20651	OJ000310_39.0424.C54.p1.np	athook(HMM:0.042)
20652	OJ990406_07.9C10.C20.p3.np	athook(HMM:0.015)
20653	OJ990531_39.9919.C7.p1.np	athook(HMM:0.033)
20654	OJ990716_06.9819.C10.p1.np	athook(HMM:0.0061)
20655	OJ991121_46.9C13.C12.p3.np	athook(HMM:0.076)
20656	OJ991201_12.0421.C4.p10.np	athook(HMM:0.1)
20657	OJ991201_12.0421.C4.p9.np	athook(HMM:0.1)
20658	OJ991201_12.9C29.C4.p7.np	athook(HMM:0.1)
20659	OJ991214_11.0127.C6.p1.np	athook(HMM:0.00056)
20660	OJ000208_06.0424.C23.p1.np	b3(HMM:4.6)
20661	OJ000250_89.0214.C3.p1.np	b3(HMM:0.32)
20662	OJ000250_89.0214.C6.p2.np	b3(HMM:1.4e-38)
20663	OJ000301_04.0403.C43.p1.np	b3(HMM:8e-35)
20664	OJ000313_32.0419.C12.p1.np	b3(HMM:3.3e-46)
20665	OJ000350_09.0323.C8.p1.np	b3(HMM:8.9e-41)
20666	OJ000450_17.0411.C2.p14.np	b3(HMM:2.1e-63)
20667	OJ990401_09.9923.C9.p10.np	b3(HMM:8.8e-07)
20668	OJ990401_09.9923.C9.p9.np	b3(HMM:2.9e-05)
20669	OJ990527_36.9922.C4.p1.np	b3(HMM:2.9e-72)
20670	OJ990720_10.9C17.C14.p1.np	b3(HMM:6.9e-06)
20671	OJ990730_02.9C10.C3.p5.np	b3(HMM:2.9e-72)
20672	OJ990730_06.0310.C12.p1.np	b3(HMM:2.9e-72)
20673	OJ990730_06.9921.C35.p1.np	b3(HMM:2.9e-72)

20674	OJ990808_30.9C10.C13.p1.np	b3(HMM:2.9e-72)
20675	OJ990823_12.9B01.C10.p1.np	b3(HMM:2.9e-72)
20676	OJ991015_18.0315.C8.p1.np	b3(HMM:1.2e-05)
20677	OJ991015_18.0315.C8.p2.np	b3(HMM:7.2e-05)
20678	OJ991019_09.0211.C3.p1.np	b3(HMM:1.2e-05)
20679	OJ991019_09.0211.C4.p1.np	b3(HMM:6.6e-08)
20680	OJ991113_34.0421.C10.p4.np	b3(HMM:1.4e-37)
20681	OJ991113_34.9C27.C28.p1.np	b3(HMM:1.4e-37)
20682	OJ991122_05.0210.C19.p1.np	b3(HMM:0.00046)
20683	OJ991122_05.0303.C24.p1.np	b3(HMM:0.00043)
20684	OJ991122_05.0421.C24.p1.np	b3(HMM:0.00043)
20685	OJ991215_14.0211.C13.p1.np	b3(HMM:7.2e-47)
20686	OJ000150_00.0124.C60.p1.np	bah(HMM:5.2e-82)
20687	OJ000301_25.0410.C6.p1.np	bah(HMM:0.063)
20688	OJ000316_06.0418.C40.p2.np	bah(HMM:1.2)
20689	OJ000324_01.0424.C39.p1.np	bah(HMM:1.8e-07)
20690	OJ000324_08.0419.C30.p1.np	bah(HMM:2e-18)
20691	OJ990311_14.9819.C1.p1.np	bah(HMM:2e-84)
20692	OJ990323_15.9A11.C2.p1.np	bah(HMM:5.2e-82)
20693	OJ990515_23.9A07.C6.p1.np	bah(HMM:1.1)
20694	OJ990528_11.9A03.C13.p3.np	bah(HMM:0.063)
20695	OJ990528_11.9A03.C69.p1.np	bah(HMM:0.046)
20696	OJ991122_05.0210.C27.p1.np	bah(HMM:7.1e-75)
20697	OJ991122_05.0303.C17.p1.np	bah(HMM:2.3e-77)
20698	OJ991122_05.0421.C17.p1.np	bah(HMM:2.3e-77)
20699	OJ991215_09.0118.C4.p1.np	bah(HMM:4.8)
20700	OJ991114_37.0128.C18.p1.np	bah(HMM:2.5e-17),chromo(HMM:0.011)
20701	OJ990323_15.9A11.C5.p4.np	bah(HMM:1e-32),phd(HMM:2.3e-14)
20702	OJ990817_03.0218.C5.p4.np	bah(HMM:1.1e-36),phd(HMM:3.3e-13)
20703	OJ990923_15.9C01.C7.p3.np	bah(HMM:1.1e-36),phd(HMM:3.3e-13)
20704	OJ991109_09.0421.C1.p4.np	bah(HMM:9.4e-18),phd(HMM:1.7e-09)
20705	OJ991109_09.9C22.C1.p4.np	bah(HMM:9.4e-18),phd(HMM:1.7e-09)
20706	OJ991110_09.0222.C14.p4.np	bah(HMM:9.4e-18),phd(HMM:1.7e-09)
20707	OJ991121_47.9C30.C7.p1.np	bah(HMM:7.4e-23),phd(HMM:1.7e-09)
20708	OJ991121_47.9C30.C7.p2.np	bah(HMM:4.3e-18),phd(HMM:1.7e-09)
20709	OJ991208_20.0406.C14.p1.np	bah(HMM:1.8e-28),phd(HMM:2.3e-14)
20710	OJ991216_14.0114.C7.p1.np	bah(HMM:1.1e-36),phd(HMM:3.3e-13)
20711	OJ990419_08.9923.C14.p1.np	bpf-1(HMM:1.7e-15)
20712	OJ990419_08.9923.C13.p1.np	bpf-1(HMM:0.00015),myb_dna-binding(HMM:0.026)
20713	OJ990822_48.0106.C2.p4.np	bpf-1(HMM:7.8e-79),myb_dna-binding(HMM:0.0099)
20714	OJ991113_46.0103.C14.p3.np	bpf-1(HMM:0.0048),myb_dna-

20715	OJ000111_15.0217.C3.p10.np	binding(HMM:0.0034)
20716	OJ000111_15.0426.C3.p10.np	bromodomain(HMM:4.3e-34)
20717	OJ000111_17.0229.C13.p1.np	bromodomain(HMM:4.3e-34)
20718	OJ000111_17.0229.C25.p1.np	bromodomain(HMM:2.3e-06)
20719	OJ000111_17.0426.C13.p1.np	bromodomain(HMM:1.2e-26)
20720	OJ000111_17.0426.C25.p1.np	bromodomain(HMM:1.4e-08)
20721	OJ000117_11.0223.C23.p2.np	bromodomain(HMM:1.2e-26)
20722	OJ000117_11.0223.C9.p1.np	bromodomain(HMM:2.5e-18)
20723	OJ000117_15.0207.C5.p2.np	bromodomain(HMM:1.1e-20)
20724	OJ000118_14.0228.C8.p13.np	bromodomain(HMM:3.3e-32)
20725	OJ000118_14.0331.C7.p13.np	bromodomain(HMM:4.3e-34)
20726	OJ000207_19.0316.C4.p2.np	bromodomain(HMM:4.3e-34)
20727	OJ000211_08.0323.C2.p1.np	bromodomain(HMM:2.7e-23)
20728	OJ000217_01.0308.C8.p1.np	bromodomain(HMM:2.4e-27)
20729	OJ000250_57.0214.C1.p1.np	bromodomain(HMM:3e-17)
20730	OJ000250_57.0310.C1.p1.np	bromodomain(HMM:5.3e-29)
20731	OJ000307_02.0330.C7.p1.np	bromodomain(HMM:5.3e-29)
20732	OJ000316_22.0419.C50.p1.np	bromodomain(HMM:3e-17)
20733	OJ000321_05.0419.C20.p1.np	bromodomain(HMM:5.7e-05)
20734	OJ000327_18.0420.C8.p1.np	bromodomain(HMM:5.3e-29)
20735	OJ000331_17.0424.C14.p1.np	bromodomain(HMM:9.9e-05)
20736	OJ000331_17.0426.C13.p1.np	bromodomain(HMM:5.3e-29)
20737	OJ990211_02.9819.C35.p1.np	bromodomain(HMM:5.3e-29)
20738	OJ990211_03.9819.C29.p1.np	bromodomain(HMM:9.6e-33)
20739	OJ990410_27.9922.C4.p2.np	bromodomain(HMM:9.6e-33)
20740	OJ990415_01.9922.C1.p1.np	bromodomain(HMM:1.1e-23)
20741	OJ990415_01.9922.C13.p1.np	bromodomain(HMM:2.3e-19)
20742	OJ990416_02.9923.C7.p3.np	bromodomain(HMM:5.3e-29)
20743	OJ990416_05.9A01.C6.p1.np	bromodomain(HMM:5.3e-29)
20744	OJ990416_06.9819.C32.p5.np	bromodomain(HMM:3e-17)
20745	OJ990524_13.0103.C5.p1.np	bromodomain(HMM:3e-17)
20746	OJ990602_04.0103.C15.p2.np	bromodomain(HMM:9e-30)
20747	OJ990602_04.0103.C15.p3.np	bromodomain(HMM:9.9e-05)
20748	OJ990903_13.0225.C11.p1.np	bromodomain(HMM:9.9e-05)
20749	OJ990923_05.9B16.C7.p5.np	bromodomain(HMM:9e-30)
20750	OJ991021_06.0218.C10.p2.np	bromodomain(HMM:3e-17)
20751	OJ991028_16.0225.C2.p1.np	bromodomain(HMM:9.6e-33)
20752	OJ991121_46.9C13.C3.p1.np	bromodomain(HMM:0.23)
20753	OJ991216_04.0316.C15.p1.np	bromodomain(HMM:3.3e-32)
20754	OJ991226_50.0317.C3.p2.np	bromodomain(HMM:1.2)
20755	OJ990518_08.9C03.C49.p1.np	bromodomain(HMM:9.6e-33)
20756	OJ990708_04.9A01.C10.p1.np	btb(HMM:0.073)
20757	OJ991117_16.0419.C17.p3.np	btb(HMM:0.015)
20758	OJ000102_54.0426.C53.p1.np	btb(HMM:0.073)
20759	OJ000106_07.0310.C11.p2.np	bzip(HMM:4.3e-09)
20760	OJ000106_07.0426.C11.p2.np	bzip(HMM:1.4e-22)
20761	OJ000106_16.0207.C26.p1.np	bzip(HMM:1.4e-22)
20762	OJ000106_16.0426.C26.p1.np	bzip(HMM:1e-18)
20763	OJ000110_04.0426.C37.p1.np	bzip(HMM:1e-18)
20764	OJ000110_13.0222.C15.p3.np	bzip(HMM:1.2e-22)
20765	OJ000110_13.0426.C15.p3.np	bzip(HMM:3.8e-12)
20766	OJ000111_20.0215.C5.p1.np	bzip(HMM:3.8e-12)
20767	OJ000111_20.0426.C5.p1.np	bzip(HMM:0.0098)
		bzip(HMM:0.0098)

20768	OJ000113_11.0225.C12.p1.np	bzip(HMM:1.2e-10)
20769	OJ000113_21.0317.C10.p1.np	bzip(HMM:8.4e-09)
20770	OJ000118_07.0215.C1.p5.np	bzip(HMM:1.9e-07)
20771	OJ000119_08.0302.C5.p1.np	bzip(HMM:2.9e-05)
20772	OJ000150_00.0124.C48.p1.np	bzip(HMM:4e-18)
20773	OJ000150_01.0124.C24.p1.np	bzip(HMM:4.3e-14)
20774	OJ000150_01.0124.C39.p1.np	bzip(HMM:1.4e-12)
20775	OJ000150_20.0124.C2.p3.np	bzip(HMM:1.9e-07)
20776	OJ000208_12.0417.C12.p1.np	bzip(HMM:6.3e-08)
20777	OJ000209_01.0301.C12.p1.np	bzip(HMM:2.7e-11)
20778	OJ000209_02.0314.C46.p1.np	bzip(HMM:2.2e-09)
20779	OJ000222_01.0327.C5.p1.np	bzip(HMM:2.4e-12)
20780	OJ000229_14.0327.C8.p1.np	bzip(HMM:5.9e-08)
20781	OJ000310_32.0419.C5.p2.np	bzip(HMM:2.8e-05)
20782	OJ000313_06.0419.C16.p4.np	bzip(HMM:8.4e-17)
20783	OJ000313_31.0421.C4.p1.np	bzip(HMM:0.00033)
20784	OJ000313_36.0421.C13.p1.np	bzip(HMM:0.00097)
20785	OJ000314_12.0418.C1.p2.np	bzip(HMM:5.6e-12)
20786	OJ000314_12.0418.C9.p4.np	bzip(HMM:0.0029)
20787	OJ000320_11.0419.C31.p1.np	bzip(HMM:3.5e-12)
20788	OJ000320_24.0411.C8.p1.np	bzip(HMM:0.00066)
20789	OJ000321_07.0419.C21.p1.np	bzip(HMM:0.0012)
20790	OJ000321_35.0417.C3.p2.np	bzip(HMM:0.11)
20791	OJ000322_02.0419.C21.p1.np	bzip(HMM:1.2e-10)
20792	OJ000322_13.0420.C36.p2.np	bzip(HMM:1.5e-14)
20793	OJ000323_34.0412.C21.p1.np	bzip(HMM:8.4e-17)
20794	OJ000323_34.0420.C7.p1.np	bzip(HMM:8.4e-17)
20795	OJ000330_10.0420.C3.p1.np	bzip(HMM:0.00097)
20796	OJ000331_13.0420.C5.p1.np	bzip(HMM:1.2e-07)
20797	OJ000350_09.0323.C13.p5.np	bzip(HMM:3.5e-08)
20798	OJ000350_15.0322.C12.p2.np	bzip(HMM:5.6e-12)
20799	OJ000350_15.0322.C17.p1.np	bzip(HMM:0.0012)
20800	OJ000350_52.0314.C2.p3.np	bzip(HMM:3.5e-12)
20801	OJ000350_58.0327.C30.p1.np	bzip(HMM:6.9e-07)
20802	OJ000450_06.0410.C10.p4.np	bzip(HMM:8.4e-17)
20803	OJ990304_01.9819.C3.p1.np	bzip(HMM:9.8e-13)
20804	OJ990310_01.9819.C17.p2.np	bzip(HMM:0.0013)
20805	OJ990311_14.9819.C3.p1.np	bzip(HMM:5.3e-10)
20806	OJ990318_03.9A03.C5.p1.np	bzip(HMM:0.0013)
20807	OJ990318_03.9A03.C6.p1.np	bzip(HMM:1.2e-14)
20808	OJ990318_03.9A03.C7.p1.np	bzip(HMM:2.3e-13)
20809	OJ990319_11.0419.C36.p1.np	bzip(HMM:2.6e-11)
20810	OJ990319_11.9524.C16.p1.np	bzip(HMM:2.6e-11)
20811	OJ990330_14.0103.C7.p4.np	bzip(HMM:6.4e-14)
20812	OJ990402_30.9819.C6.p1.np	bzip(HMM:1.8e-13)
20813	OJ990402_31.9C10.C5.p1.np	bzip(HMM:6.6e-12)
20814	OJ990405_09.9819.C17.p4.np	bzip(HMM:4.2e-13)
20815	OJ990406_07.9C10.C25.p1.np	bzip(HMM:0.00096)
20816	OJ990421_31.9924.C12.p1.np	bzip(HMM:5e-07)
20817	OJ990421_31.9924.C21.p1.np	bzip(HMM:5e-07)
20818	OJ990423_11.9924.C14.p1.np	bzip(HMM:7.4e-12)
20819	OJ990426_04.9924.C18.p4.np	bzip(HMM:4.4)
20820	OJ990426_04.9924.C19.p1.np	bzip(HMM:0.21)
20821	OJ990427_01.9A14.C21.p5.np	bzip(HMM:1.9e-07)

20822	OJ990427_21.0114.C10.p1.np	bzip(HMM:4.1e-07)
20823	OJ990427_21.0114.C10.p2.np	bzip(HMM:4.1e-07)
20824	OJ990429_21.9922.C16.p1.np	bzip(HMM:0.12)
20825	OJ990518_10.9924.C37.p3.np	bzip(HMM:9.4e-06)
20826	OJ990518_10.9924.C38.p1.np	bzip(HMM:0.0007)
20827	OJ990520_03.9C23.C38.p1.np	bzip(HMM:0.0015)
20828	OJ990604_03.9C03.C40.p1.np	bzip(HMM:0.00097)
20829	OJ990605_41.0225.C3.p3.np	bzip(HMM:1.2e-22)
20830	OJ990612_35.0103.C7.p5.np	bzip(HMM:1e-10)
20831	OJ990616_09.9C01.C7.p1.np	bzip(HMM:0.052)
20832	OJ990616_09.9C01.C8.p1.np	bzip(HMM:1.6e-21)
20833	OJ990617_02.9B01.C92.p1.np	bzip(HMM:0.0043)
20834	OJ990619_50.0211.C2.p1.np	bzip(HMM:1.2e-06)
20835	OJ990705_39.9919.C11.p5.np	bzip(HMM:1.9e-07)
20836	OJ990716_06.9819.C18.p1.np	bzip(HMM:1.8e-14)
20837	OJ990728_08.0114.C19.p1.np	bzip(HMM:3.5e-12)
20838	OJ990818_04.9A01.C5.p7.np	bzip(HMM:0.0056)
20839	OJ990821_44.9C20.C3.p5.np	bzip(HMM:0.0087)
20840	OJ990830_03.9B17.C45.p1.np	bzip(HMM:1.3e-10)
20841	OJ990903_12.9C01.C20.p1.np	bzip(HMM:7e-12)
20842	OJ990903_12.9C01.C20.p2.np	bzip(HMM:7e-12)
20843	OJ990903_18.0103.C5.p9.np	bzip(HMM:8.4e-16)
20844	OJ990907_11.0103.C2.p1.np	bzip(HMM:0.0098)
20845	OJ990909_05.0223.C12.p1.np	bzip(HMM:6.6e-15)
20846	OJ990909_08.0222.C22.p1.np	bzip(HMM:1.8e-10)
20847	OJ990922_02.9C17.C34.p1.np	bzip(HMM:2.4e-12)
20848	OJ991007_03.0421.C8.p2.np	bzip(HMM:1.2e-13)
20849	OJ991007_03.9C27.C8.p2.np	bzip(HMM:1.2e-13)
20850	OJ991012_10.0127.C11.p1.np	bzip(HMM:0.00033)
20851	OJ991108_12.0404.C11.p1.np	bzip(HMM:0.055)
20852	OJ991111_08.0307.C11.p3.np	bzip(HMM:3.5e-12)
20853	OJ991112_17.9C20.C5.p6.np	bzip(HMM:8.1e-18)
20854	OJ991117_16.0419.C8.p1.np	bzip(HMM:5e-08)
20855	OJ991119_17.0126.C6.p1.np	bzip(HMM:2.8e-05)
20856	OJ991202_01.0419.C34.p1.np	bzip(HMM:1.6e-21)
20857	OJ991216_10.0211.C14.p2.np	bzip(HMM:0.00033)
20858	OJ991220_10.0118.C5.p2.np	bzip(HMM:0.01)
20859	OJ000223_05.0419.C14.p1.np	bzip(HMM:0.052),homeobox(HMM:5.9e-15)
20860	OJ000302_20.0420.C9.p5.np	bzip(HMM:0.052),homeobox(HMM:5.9e-15)
20861	OJ991114_36.0128.C7.p1.np	bzip(HMM:0.058),homeobox(HMM:2.3e-07)
20862	OJ990903_18.0103.C5.p3.np	bzip(HMM:8.4e-16),zf-cchc(HMM:0.00047)
20863	OJ000113_23.0214.C4.p2.np	cbfd_nfyb_hmf(HMM:1.7e-36)
20864	OJ000113_23.0303.C4.p2.np	cbfd_nfyb_hmf(HMM:1.7e-36)
20865	OJ000122_36.0307.C45.p1.np	cbfd_nfyb_hmf(HMM:6.7e-05)
20866	OJ000130_34.0419.C15.p4.np	cbfd_nfyb_hmf(HMM:2.9e-37)
20867	OJ000130_34.0419.C15.p5.np	cbfd_nfyb_hmf(HMM:1.7e-32)
20868	OJ000209_28.0419.C35.p1.np	cbfd_nfyb_hmf(HMM:3.7e-21)
20869	OJ000217_16.0403.C13.p2.np	cbfd_nfyb_hmf(HMM:3.6e-33)
20870	OJ000229_25.0322.C37.p2.np	cbfd_nfyb_hmf(HMM:2.6e-08)
20871	OJ000250_84.0214.C9.p4.np	cbfd_nfyb_hmf(HMM:1.9e-13)

20872	OJ000250_93.0307.C10.p2.np	cbfd_nfyb_hmf(HMM:6.7e-05)
20873	OJ000303_14.0419.C3.p2.np	cbfd_nfyb_hmf(HMM:3.4e-05)
20874	OJ000320_16.0419.C20.p1.np	cbfd_nfyb_hmf(HMM:1.4e-37)
20875	OJ000323_18.0419.C2.p1.np	cbfd_nfyb_hmf(HMM:1.9e-13)
20876	OJ000324_19.0419.C6.p2.np	cbfd_nfyb_hmf(HMM:5.1e-15)
20877	OJ000350_26.0323.C10.p9.np	cbfd_nfyb_hmf(HMM:2.6e-23)
20878	OJ990402_27.9819.C20.p2.np	cbfd_nfyb_hmf(HMM:1.1e-26)
20879	OJ990514_12.0103.C34.p1.np	cbfd_nfyb_hmf(HMM:0.0035)
20880	OJ990525_14.9C03.C6.p1.np	cbfd_nfyb_hmf(HMM:4.9e-23)
20881	OJ990528_11.9A03.C44.p1.np	cbfd_nfyb_hmf(HMM:1.1e-38)
20882	OJ990619_53.9A29.C4.p1.np	cbfd_nfyb_hmf(HMM:0.009)
20883	OJ990714_12.0419.C51.p2.np	cbfd_nfyb_hmf(HMM:0.0035)
20884	OJ990721_02.9B16.C15.p1.np	cbfd_nfyb_hmf(HMM:2.7e-14)
20885	OJ990803_06.9B18.C7.p1.np	cbfd_nfyb_hmf(HMM:2.9e-13)
20886	OJ990827_03.9C01.C15.p1.np	cbfd_nfyb_hmf(HMM:1.4e-37)
20887	OJ991029_11.0207.C12.p1.np	cbfd_nfyb_hmf(HMM:4.8e-22)
20888	OJ991122_12.0229.C3.p8.np	cbfd_nfyb_hmf(HMM:1.7e-32)
20889	OJ991122_12.0229.C5.p1.np	cbfd_nfyb_hmf(HMM:2.9e-37)
20890	OJ991201_12.0421.C5.p1.np	cbfd_nfyb_hmf(HMM:4.6e-38)
20891	OJ991201_12.9C29.C5.p1.np	cbfd_nfyb_hmf(HMM:4.6e-38)
20892	OJ000204_17.0323.C5.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20893	OJ000214_17.0321.C17.p3.np	cbfd_nfyb_hmf(HMM:0.021),histone(HMM:1.1e-51)
20894	OJ000221_07.0323.C12.p6.np	cbfd_nfyb_hmf(HMM:0.028),histone(HMM:3.7e-52)
20895	OJ000250_99.0316.C35.p2.np	cbfd_nfyb_hmf(HMM:0.021),histone(HMM:1.1e-51)
20896	OJ000302_09.0414.C4.p2.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20897	OJ000330_14.0419.C12.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20898	OJ000450_12.0410.C1.p10.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20899	OJ990316_13.9819.C11.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20900	OJ990324_01.0103.C47.p2.np	cbfd_nfyb_hmf(HMM:0.021),histone(HMM:9.2e-51)
20901	OJ990428_20.9924.C16.p2.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20902	OJ990713_11.9B12.C10.p6.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20903	OJ990721_07.0211.C6.p3.np	cbfd_nfyb_hmf(HMM:0.029),histone(HMM:1.8e-51)
20904	OJ990816_09.9B19.C1.p2.np	cbfd_nfyb_hmf(HMM:0.048),histone(HMM:6.6e-52)
20905	OJ990816_09.9B19.C42.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20906	OJ990825_02.9A29.C17.p3.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20907	OJ990914_18.9B24.C5.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)
20908	OJ990920_18.9C06.C38.p1.np	cbfd_nfyb_hmf(HMM:0.17),histone(HMM:2.9e-19)

20909	OJ990927_04.9B22.C4.p1.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20910	OJ991122_19.0330.C1.p2.np	cbfd_nfyb_hmf(HMM:0.021),hist one(HMM:9.2e-51)
20911	OJ991122_19.0330.C1.p6.np	cbfd_nfyb_hmf(HMM:0.021),hist one(HMM:9.2e-51)
20912	OJ991201_12.0421.C2.p2.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20913	OJ991201_12.9C29.C2.p2.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20914	OJ991214_08.0113.C1.p2.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20915	OJ991216_07.0301.C12.p1.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20916	OJ991225_70.0308.C26.p1.np	cbfd_nfyb_hmf(HMM:0.17),histo ne(HMM:2.9e-19)
20917	OJ000102_79.0301.C3.p1.np	chromo(HMM:0.094)
20918	OJ000102_79.0414.C3.p1.np	chromo(HMM:0.094)
20919	OJ000102_79.0426.C3.p1.np	chromo(HMM:0.094)
20920	OJ000111_01.0225.C1.p1.np	chromo(HMM:0.0022)
20921	OJ000111_01.0426.C1.p1.np	chromo(HMM:0.0022)
20922	OJ000111_12.0313.C1.p1.np	chromo(HMM:0.0038)
20923	OJ000111_12.0426.C1.p1.np	chromo(HMM:0.0038)
20924	OJ000113_18.0328.C8.p3.np	chromo(HMM:0.28)
20925	OJ000113_18.0328.C8.p4.np	chromo(HMM:0.28)
20926	OJ000116_39.0419.C6.p2.np	chromo(HMM:0.037)
20927	OJ000119_07.0209.C2.p2.np	chromo(HMM:0.29)
20928	OJ000119_07.0209.C2.p3.np	chromo(HMM:0.29)
20929	OJ000217_15.0419.C11.p1.np	chromo(HMM:0.28)
20930	OJ000222_09.0330.C14.p5.np	chromo(HMM:0.13)
20931	OJ000222_20.0403.C8.p2.np	chromo(HMM:0.17)
20932	OJ000250_64.0419.C15.p1.np	chromo(HMM:0.043)
20933	OJ000251_07.0216.C20.p1.np	chromo(HMM:0.018)
20934	OJ000251_07.0216.C34.p1.np	chromo(HMM:0.1)
20935	OJ000251_31.0216.C8.p5.np	chromo(HMM:0.08)
20936	OJ000251_31.0310.C12.p2.np	chromo(HMM:0.08)
20937	OJ000303_14.0419.C7.p5.np	chromo(HMM:0.067)
20938	OJ000308_20.0419.C21.p1.np	chromo(HMM:0.011)
20939	OJ000309_13.0419.C18.p1.np	chromo(HMM:0.027)
20940	OJ000320_05.0417.C9.p2.np	chromo(HMM:0.016)
20941	OJ000330_05.0419.C72.p1.np	chromo(HMM:0.038)
20942	OJ000330_06.0419.C15.p1.np	chromo(HMM:0.038)
20943	OJ000350_31.0315.C4.p2.np	chromo(HMM:0.037)
20944	OJ990212_05.9819.C33.p1.np	chromo(HMM:0.095)
20945	OJ990311_15.9819.C8.p2.np	chromo(HMM:0.0019)
20946	OJ990311_15.9819.C8.p3.np	chromo(HMM:0.0011)
20947	OJ990318_14.9922.C10.p2.np	chromo(HMM:0.0046)
20948	OJ990323_33.9A06.C8.p6.np	chromo(HMM:0.028)
20949	OJ990323_33.9A06.C8.p7.np	chromo(HMM:0.028)
20950	OJ990325_03.9A14.C36.p1.np	chromo(HMM:0.0025)
20951	OJ990407_07.9922.C27.p1.np	chromo(HMM:0.17)
20952	OJ990409_08.9923.C13.p1.np	chromo(HMM:0.0035)
20953	OJ990409_09.0204.C13.p1.np	chromo(HMM:0.0035)
20954	OJ990412_07.9923.C35.p1.np	chromo(HMM:0.035)

20955	OJ990421_08.9923.C9.p4.np	chromo(HMM:0.24)
20956	OJ990429_22.9819.C2.p7.np	chromo(HMM:0.28)
20957	OJ990429_23.9924.C16.p2.np	chromo(HMM:0.011)
20958	OJ990503_21.9B05.C12.p1.np	chromo(HMM:0.11)
20959	OJ990503_21.9B05.C3.p3.np	chromo(HMM:0.048)
20960	OJ990517_10.9C03.C18.p1.np	chromo(HMM:0.043)
20961	OJ990517_22.9B05.C15.p4.np	chromo(HMM:4e-19)
20962	OJ990605_38.9B05.C5.p3.np	chromo(HMM:0.038)
20963	OJ990605_38.9B05.C5.p4.np	chromo(HMM:0.038)
20964	OJ990620_40.9920.C5.p1.np	chromo(HMM:0.043)
20965	OJ990628_07.0419.C22.p1.np	chromo(HMM:0.017)
20966	OJ990701_14.9B19.C6.p3.np	chromo(HMM:0.067)
20967	OJ990808_54.0421.C8.p1.np	chromo(HMM:0.0061)
20968	OJ990808_54.9C20.C9.p1.np	chromo(HMM:0.0061)
20969	OJ990820_03.0303.C20.p1.np	chromo(HMM:0.027)
20970	OJ990820_06.0215.C16.p1.np	chromo(HMM:0.13)
20971	OJ990824_07.9B18.C20.p2.np	chromo(HMM:0.094)
20972	OJ990915_07.9C03.C2.p1.np	chromo(HMM:0.007)
20973	OJ990924_17.0211.C23.p1.np	chromo(HMM:0.0019)
20974	OJ991029_01.0128.C4.p1.np	chromo(HMM:0.065)
20975	OJ991106_42.0103.C5.p1.np	chromo(HMM:0.2)
20976	OJ991118_06.0131.C33.p1.np	chromo(HMM:0.021)
20977	OJ991119_03.0225.C20.p1.np	chromo(HMM:0.002)
20978	OJ991119_13.0207.C40.p2.np	chromo(HMM:0.094)
20979	OJ991120_34.0419.C19.p2.np	chromo(HMM:0.0044)
20980	OJ991211_50.0403.C22.p1.np	chromo(HMM:0.0044)
20981	OJ991215_09.0118.C3.p1.np	chromo(HMM:0.00035)
20982	OJ000207_17.0306.C16.p1.np	chromo(HMM:0.032),snf2_n(HMM:6e-05)
20983	OJ000207_17.0323.C14.p1.np	chromo(HMM:0.056),snf2_n(HMM:2.6e-118)
20984	OJ000404_02.0421.C47.p1.np	chromo(HMM:3.8e-09),snf2_n(HMM:7.2e-27)
20985	OJ000110_17.0410.C4.p1.np	chromo(HMM:0.043),zf-cchc(HMM:0.00058)
20986	OJ000110_17.0420.C3.p1.np	chromo(HMM:0.043),zf-cchc(HMM:0.00058)
20987	OJ000110_17.0426.C3.p1.np	chromo(HMM:0.043),zf-cchc(HMM:0.00058)
20988	OJ990317_04.0128.C22.p1.np	chromo(HMM:0.09),zf-cchc(HMM:0.0017)
20989	OJ990317_04.0421.C23.p1.np	chromo(HMM:0.09),zf-cchc(HMM:0.0017)
20990	OJ990909_15.9C10.C18.p2.np	chromo(HMM:0.1),zf-cchc(HMM:5.2e-06)
20991	OJ000221_07.0323.C1.p3.np	csd(HMM:3.6e-06)
20992	OJ000320_28.0419.C12.p2.np	csd(HMM:5.4e-15)
20993	OJ000324_26.0412.C2.p1.np	csd(HMM:5.4e-15)
20994	OJ000324_26.0420.C25.p2.np	csd(HMM:5.4e-15)
20995	OJ000350_68.0327.C8.p1.np	csd(HMM:1.5e-12)
20996	OJ000204_09.0306.C8.p1.np	csd(HMM:0.0011),zf-cchc(HMM:4.6e-23)
20997	OJ000350_34.0310.C21.p3.np	csd(HMM:5.3e-11),zf-cchc(HMM:7.9e-17)

20998	OJ990414_07.9B12.C32.p2.np	csd(HMM:1.6e-12),zf- cchc(HMM:7.9e-17)
20999	OJ990810_16.0310.C49.p3.np	csd(HMM:5.3e-11),zf- cchc(HMM:7.9e-17)
21000	OJ000114_11.0217.C20.p2.np	dof(HMM:1.6e-35)
21001	OJ000118_11.0307.C7.p2.np	dof(HMM:1.2e-36)
21002	OJ000121_12.0309.C41.p1.np	dof(HMM:4e-10)
21003	OJ000150_07.0124.C31.p6.np	dof(HMM:2.5e-36)
21004	OJ000150_28.0124.C56.p3.np	dof(HMM:4.6e-36)
21005	OJ000150_28.0323.C56.p3.np	dof(HMM:4.6e-36)
21006	OJ000229_23.0323.C24.p1.np	dof(HMM:4.3e-05)
21007	OJ000250_54.0309.C16.p1.np	dof(HMM:4e-10)
21008	OJ000250_57.0214.C4.p1.np	dof(HMM:3.8e-36)
21009	OJ000250_57.0310.C3.p2.np	dof(HMM:3.8e-36)
21010	OJ000250_91.0405.C27.p1.np	dof(HMM:1.7e-21)
21011	OJ000301_03.0404.C7.p1.np	dof(HMM:5.8e-35)
21012	OJ000310_11.0411.C11.p1.np	dof(HMM:1.6e-35)
21013	OJ000310_11.0420.C15.p1.np	dof(HMM:1.6e-35)
21014	OJ000314_08.0414.C2.p3.np	dof(HMM:1.9e-37)
21015	OJ000324_25.0420.C17.p1.np	dof(HMM:4.6e-35)
21016	OJ000331_17.0424.C2.p1.np	dof(HMM:3.8e-36)
21017	OJ000331_17.0426.C2.p1.np	dof(HMM:3.8e-36)
21018	OJ000331_23.0421.C27.p1.np	dof(HMM:4.6e-35)
21019	OJ990311_11.9819.C53.p1.np	dof(HMM:1.7e-21)
21020	OJ990318_18.9819.C17.p2.np	dof(HMM:3.2e-36)
21021	OJ990402_31.9C10.C13.p1.np	dof(HMM:1.1e-25)
21022	OJ990415_01.9922.C21.p1.np	dof(HMM:5.2e-34)
21023	OJ990415_07.9C03.C28.p1.np	dof(HMM:4.6e-35)
21024	OJ990416_02.9923.C2.p2.np	dof(HMM:4.9e-35)
21025	OJ990527_26.9C10.C2.p4.np	dof(HMM:8.3e-36)
21026	OJ990617_13.9B24.C11.p2.np	dof(HMM:2.5e-36)
21027	OJ990817_14.9B08.C6.p2.np	dof(HMM:4.6e-35)
21028	OJ990821_56.9C20.C15.p1.np	dof(HMM:5.8e-36)
21029	OJ991008_09.0106.C10.p8.np	dof(HMM:6.5e-31)
21030	OJ991111_16.0103.C2.p5.np	dof(HMM:3.2e-36)
21031	OJ000102_56.0407.C45.p8.np	dpb(HMM:1.4e-59)
21032	OJ000102_56.0426.C45.p8.np	dpb(HMM:1.4e-59)
21033	OJ000210_24.0316.C6.p2.np	dpb(HMM:3.5e-10)
21034	OJ000251_42.0328.C15.p1.np	dpb(HMM:1.4e-59)
21035	OJ000302_09.0414.C5.p1.np	dpb(HMM:4.2e-12)
21036	OJ000320_08.0419.C16.p1.np	dpb(HMM:4.6e-10)
21037	OJ000321_24.0419.C33.p1.np	dpb(HMM:0.00083)
21038	OJ000322_14.0424.C8.p4.np	dpb(HMM:0.00047)
21039	OJ000324_22.0424.C26.p3.np	dpb(HMM:1.1e-07)
21040	OJ000324_24.0419.C28.p2.np	dpb(HMM:1.1e-07)
21041	OJ000330_03.0419.C6.p1.np	dpb(HMM:0.00038)
21042	OJ000404_20.0424.C15.p2.np	dpb(HMM:1.9e-05)
21043	OJ990402_30.9819.C6.p3.np	dpb(HMM:0.031)
21044	OJ990412_06.9922.C11.p2.np	dpb(HMM:4.7e-10)
21045	OJ990601_07.9B12.C47.p1.np	dpb(HMM:6.5e-20)
21046	OJ990630_02.9C01.C9.p2.np	dpb(HMM:4.6e-10)
21047	OJ990708_04.9A01.C9.p2.np	dpb(HMM:0.00013)
21048	OJ000313_33.0421.C9.p1.np	enbp(HMM:7.2e-09)
21049	OJ000314_07.0411.C10.p1.np	enbp(HMM:8.6e-28)

21050	OJ000314_07.0411.C11.p1.np	enbp(HMM:1.3e-150)
21051	OJ000321_37.0419.C11.p1.np	enbp(HMM:2e-113)
21052	OJ000403_07.0421.C4.p1.np	enbp(HMM:0.0013)
21053	OJ000403_07.0421.C42.p1.np	enbp(HMM:1.8e-22)
21054	OJ000403_07.0421.C42.p2.np	enbp(HMM:9.7e-17)
21055	OJ000403_07.0421.C5.p1.np	enbp(HMM:5.3e-05)
21056	OJ000404_17.0424.C10.p1.np	enbp(HMM:4.2e-10)
21057	OJ000404_17.0424.C11.p1.np	enbp(HMM:1.6e-13)
21058	OJ990304_08.9819.C11.p2.np	enbp(HMM:3.5e-182)
21059	OJ990304_08.9819.C26.p1.np	enbp(HMM:9e-33)
21060	OJ990323_24.9B12.C9.p1.np	enbp(HMM:1.4e-181)
21061	OJ990730_11.9B08.C5.p3.np	enbp(HMM:5.5e-201)
21062	OJ990802_13.9920.C2.p2.np	enbp(HMM:6e-05)
21063	OJ990802_13.9920.C3.p1.np	enbp(HMM:1.9e-11)
21064	OJ990808_58.0103.C16.p1.np	enbp(HMM:1.8e-96)
21065	OJ000110_04.0426.C10.p2.np	gata(HMM:3.8e-11)
21066	OJ000118_20.0222.C15.p1.np	gata(HMM:2e-15)
21067	OJ000150_12.0124.C34.p1.np	gata(HMM:1.7e-12)
21068	OJ000208_10.0331.C30.p2.np	gata(HMM:4.1e-08)
21069	OJ000209_08.0309.C5.p3.np	gata(HMM:5.6e-15)
21070	OJ000214_09.0321.C2.p1.np	gata(HMM:0.01)
21071	OJ000221_24.0315.C6.p3.np	gata(HMM:0.0032)
21072	OJ000222_20.0403.C2.p1.np	gata(HMM:1.4e-06)
21073	OJ000316_27.0419.C40.p1.np	gata(HMM:7.9e-05)
21074	OJ000330_40.0424.C5.p2.np	gata(HMM:1.4e-13)
21075	OJ000350_56.0322.C4.p4.np	gata(HMM:0.017)
21076	OJ990323_29.9A15.C6.p6.np	gata(HMM:4.1e-16)
21077	OJ990407_07.9922.C18.p1.np	gata(HMM:2e-06)
21078	OJ990410_27.9922.C3.p3.np	gata(HMM:1.3e-16)
21079	OJ990503_28.9924.C3.p1.np	gata(HMM:2e-18)
21080	OJ990605_39.0420.C9.p3.np	gata(HMM:3.2e-15)
21081	OJ990605_39.9921.C29.p1.np	gata(HMM:3.2e-15)
21082	OJ990605_41.0225.C5.p4.np	gata(HMM:2.7e-17)
21083	OJ990612_46.9903.C3.p5.np	gata(HMM:3.2e-15)
21084	OJ990709_14.9B05.C7.p3.np	gata(HMM:4.1e-16)
21085	OJ990730_03.9C10.C8.p2.np	gata(HMM:3.3e-12)
21086	OJ990803_12.0103.C5.p2.np	gata(HMM:2.4e-13)
21087	OJ990810_08.0103.C11.p1.np	gata(HMM:3.8e-16)
21088	OJ990810_10.9C23.C5.p1.np	gata(HMM:0.071)
21089	OJ990822_52.0128.C16.p1.np	gata(HMM:1.6e-15)
21090	OJ990825_16.0303.C16.p1.np	gata(HMM:0.00072)
21091	OJ990903_01.9B08.C6.p1.np	gata(HMM:4.9e-11)
21092	OJ990914_05.9B19.C6.p2.np	gata(HMM:1.7e-12)
21093	OJ990915_16.9A18.C8.p1.np	gata(HMM:5.6e-05)
21094	OJ990924_06.9C01.C6.p1.np	gata(HMM:1.9e-14)
21095	OJ991102_02.0223.C19.p1.np	gata(HMM:0.01)
21096	OJ991119_10.0222.C60.p2.np	gata(HMM:0.017)
21097	OJ991120_31.0103.C10.p1.np	gata(HMM:2e-06)
21098	OJ991122_10.0419.C12.p1.np	gata(HMM:0.00091)
21099	OJ991217_07.0114.C4.p2.np	gata(HMM:2e-06)
21100	OJ991217_14.0118.C2.p1.np	gata(HMM:2.4e-15)
21101	OJ000112_10.0210.C18.p1.np	gld-tea(HMM:2.2e-33)
21102	OJ000112_10.0210.C18.p2.np	gld-tea(HMM:2.2e-33)
21103	OJ000112_10.0426.C18.p1.np	gld-tea(HMM:2.2e-33)

21104	OJ000112_10.0426.C18.p2.np	gld-tea(HMM:2.2e-33)
21105	OJ000121_09.0323.C3.p1.np	gld-tea(HMM:4.3e-29)
21106	OJ000122_31.0321.C19.p1.np	gld-tea(HMM:2.2e-36)
21107	OJ000203_01.0222.C13.p1.np	gld-tea(HMM:0.0034)
21108	OJ000208_22.0323.C4.p1.np	gld-tea(HMM:9.4e-36)
21109	OJ000208_25.0419.C36.p2.np	gld-tea(HMM:8e-39)
21110	OJ000217_01.0308.C1.p1.np	gld-tea(HMM:8.3e-31)
21111	OJ000223_02.0405.C6.p8.np	gld-tea(HMM:1.7e-27)
21112	OJ000301_18.0330.C13.p6.np	gld-tea(HMM:6.1e-19)
21113	OJ000301_18.0330.C14.p1.np	gld-tea(HMM:9.2e-33)
21114	OJ000301_24.0403.C8.p2.np	gld-tea(HMM:8.4e-37)
21115	OJ000302_27.0419.C18.p1.np	gld-tea(HMM:1.2e-22)
21116	OJ000306_08.0419.C54.p1.np	gld-tea(HMM:4.8e-31)
21117	OJ000315_24.0419.C11.p2.np	gld-tea(HMM:0.0024)
21118	OJ000324_21.0420.C15.p1.np	gld-tea(HMM:2.4e-32)
21119	OJ000324_23.0420.C82.p1.np	gld-tea(HMM:6.2e-10)
21120	OJ000327_03.0419.C6.p1.np	gld-tea(HMM:6.5e-09)
21121	OJ000331_01.0419.C14.p1.np	gld-tea(HMM:0.0019)
21122	OJ000350_33.0314.C7.p2.np	gld-tea(HMM:1.6e-21)
21123	OJ000350_52.0314.C10.p1.np	gld-tea(HMM:2.8e-28)
21124	OJ000403_28.0424.C3.p3.np	gld-tea(HMM:5.8e-32)
21125	OJ990304_01.9819.C2.p1.np	gld-tea(HMM:2.8e-28)
21126	OJ990319_11.0419.C5.p2.np	gld-tea(HMM:2.8e-28)
21127	OJ990319_11.9524.C24.p1.np	gld-tea(HMM:2.8e-28)
21128	OJ990402_21.9819.C29.p1.np	gld-tea(HMM:1.4e-36)
21129	OJ990419_11.9923.C13.p2.np	gld-tea(HMM:0.064)
21130	OJ990419_11.9923.C14.p1.np	gld-tea(HMM:0.094)
21131	OJ990527_24.9A20.C51.p1.np	gld-tea(HMM:1.3e-19)
21132	OJ990527_26.9C10.C8.p1.np	gld-tea(HMM:4.4e-30)
21133	OJ990619_52.0211.C11.p4.np	gld-tea(HMM:1.5e-32)
21134	OJ990712_05.9919.C3.p2.np	gld-tea(HMM:9.2e-33)
21135	OJ990712_05.9919.C4.p2.np	gld-tea(HMM:1.6e-18)
21136	OJ990714_13.9B05.C13.p5.np	gld-tea(HMM:1.6e-23)
21137	OJ990716_01.9A11.C2.p3.np	gld-tea(HMM:2.2e-22)
21138	OJ990720_10.9C17.C21.p1.np	gld-tea(HMM:3.1e-39)
21139	OJ990728_08.0114.C13.p3.np	gld-tea(HMM:2.8e-28)
21140	OJ990729_07.0110.C19.p1.np	gld-tea(HMM:1.6e-23)
21141	OJ990821_56.9C20.C17.p1.np	gld-tea(HMM:4.7e-33)
21142	OJ990824_13.9B12.C4.p1.np	gld-tea(HMM:1e-20)
21143	OJ990830_10.9C13.C13.p1.np	gld-tea(HMM:1.3e-32)
21144	OJ990916_14.0103.C9.p1.np	gld-tea(HMM:5.8e-32)
21145	OJ990916_15.9B22.C51.p1.np	gld-tea(HMM:0.015)
21146	OJ990917_09.9A29.C20.p1.np	gld-tea(HMM:6.7e-05)
21147	OJ990917_09.9A29.C21.p1.np	gld-tea(HMM:0.055)
21148	OJ991107_35.0421.C13.p2.np	gld-tea(HMM:7e-32)
21149	OJ991107_35.9C20.C12.p2.np	gld-tea(HMM:7e-32)
21150	OJ991107_37.0113.C63.p2.np	gld-tea(HMM:4.8e-31)
21151	OJ991107_37.0421.C63.p2.np	gld-tea(HMM:4.8e-31)
21152	OJ991113_35.0112.C2.p4.np	gld-tea(HMM:4.6e-29)
21153	OJ991122_09.0330.C3.p1.np	gld-tea(HMM:6.1e-32)
21154	OJ991122_10.0419.C40.p1.np	gld-tea(HMM:4.2e-36)
21155	OJ991217_10.0218.C4.p6.np	gld-tea(HMM:3.1e-39)
21156	OJ991226_49.0317.C6.p1.np	gld-tea(HMM:1.2e-30)
21157	OJ000214_08.0419.C4.p1.np	gld-tea(HMM:0.1),myb_dna-

21158	OJ000323_38.0418.C14.p5.np	binding(HMM:7.4e-13) gld-tea(HMM:0.1),myb_dna- binding(HMM:7.4e-13)
21159	OJ990520_01.9B12.C33.p1.np	gld-tea(HMM:0.1),myb_dna- binding(HMM:7.4e-13)
21160	OJ990730_08.9C10.C3.p4.np	gld-tea(HMM:0.1),myb_dna- binding(HMM:7.4e-13)
21161	OJ990820_14.0223.C19.p1.np	gld-tea(HMM:0.0066),myb_dna- binding(HMM:1.3e-13)
21162	OJ000216_09.0330.C8.p4.np	gld-tea(HMM:1e- 42),response_reg(HMM:1.9e-33)
21163	OJ000251_22.0403.C12.p4.np	gld-tea(HMM:1e- 42),response_reg(HMM:1.9e-33)
21164	OJ000404_02.0421.C26.p1.np	gld-tea(HMM:1.3e- 30),response_reg(HMM:7.9e-29)
21165	OJ990501_20.9819.C2.p1.np	gld-tea(HMM:1e- 42),response_reg(HMM:7.8e-34)
21166	OJ990701_01.9919.C5.p1.np	gld-tea(HMM:1.5e- 43),response_reg(HMM:7.2e-30)
21167	OJ000321_24.0419.C22.p1.np	hhh(HMM:2.6e-08)
21168	OJ000105_01.0127.C7.p2.np	hist_deacetyl(HMM:2.8e-11)
21169	OJ000105_01.0426.C7.p2.np	hist_deacetyl(HMM:2.8e-11)
21170	OJ000122_66.0419.C16.p1.np	hist_deacetyl(HMM:0.00052)
21171	OJ000122_66.0419.C4.p1.np	hist_deacetyl(HMM:6.4e-17)
21172	OJ000150_15.0124.C21.p1.np	hist_deacetyl(HMM:3.3e-14)
21173	OJ000210_14.0404.C28.p2.np	hist_deacetyl(HMM:1.4e-146)
21174	OJ000250_51.0211.C7.p7.np	hist_deacetyl(HMM:1.2e-164)
21175	OJ000307_27.0419.C16.p2.np	hist_deacetyl(HMM:1.9e-120)
21176	OJ000314_36.0419.C12.p3.np	hist_deacetyl(HMM:3.4e-39)
21177	OJ000350_38.0313.C18.p1.np	hist_deacetyl(HMM:4.1e-82)
21178	OJ000403_18.0419.C17.p3.np	hist_deacetyl(HMM:1.9e-120)
21179	OJ990316_16.9819.C16.p1.np	hist_deacetyl(HMM:0.094)
21180	OJ990427_24.9922.C4.p2.np	hist_deacetyl(HMM:3.6e-168)
21181	OJ990427_24.9922.C5.p1.np	hist_deacetyl(HMM:3.9e-177)
21182	OJ990427_27.9922.C4.p6.np	hist_deacetyl(HMM:1.6e-78)
21183	OJ990504_03.0419.C129.p2.np	hist_deacetyl(HMM:4.7e-11)
21184	OJ990520_23.0103.C9.p1.np	hist_deacetyl(HMM:2.9e-183)
21185	OJ991027_09.0207.C11.p1.np	hist_deacetyl(HMM:2.1e-12)
21186	OJ991106_37.0419.C17.p1.np	hist_deacetyl(HMM:2e-06)
21187	OJ000114_27.0419.C27.p1.np	histone(HMM:7.6e-46)
21188	OJ000118_20.0222.C10.p1.np	histone(HMM:1.7e-05)
21189	OJ000208_20.0301.C14.p1.np	histone(HMM:0.0033)
21190	OJ000209_23.0320.C2.p2.np	histone(HMM:4.2e-09)
21191	OJ000214_10.0404.C1.p1.np	histone(HMM:3e-45)
21192	OJ000214_13.0320.C12.p2.np	histone(HMM:3e-45)
21193	OJ000214_13.0320.C15.p1.np	histone(HMM:2.9e-45)
21194	OJ000221_01.0313.C19.p2.np	histone(HMM:1.6e-44)
21195	OJ000223_11.0405.C25.p1.np	histone(HMM:0.018)
21196	OJ000251_33.0331.C27.p1.np	histone(HMM:1.5e-42)
21197	OJ000251_33.0331.C30.p2.np	histone(HMM:2.9e-45)
21198	OJ000301_03.0404.C12.p2.np	histone(HMM:1.4e-47)
21199	OJ000310_11.0411.C19.p1.np	histone(HMM:5.5e-49)
21200	OJ000310_11.0420.C7.p2.np	histone(HMM:5.5e-49)
21201	OJ000310_23.0419.C46.p1.np	histone(HMM:9e-47)

21202	OJ000310_29.0412.C34.p1.np	histone(HMM:1.5e-46)
21203	OJ000310_29.0412.C36.p1.np	histone(HMM:4.7e-11)
21204	OJ000310_29.0412.C58.p2.np	histone(HMM:2e-45)
21205	OJ000310_29.0420.C19.p1.np	histone(HMM:1.5e-46)
21206	OJ000310_29.0420.C52.p2.np	histone(HMM:2e-45)
21207	OJ000320_11.0419.C32.p1.np	histone(HMM:7.9e-23)
21208	OJ000330_11.0419.C49.p2.np	histone(HMM:1.4e-46)
21209	OJ000403_16.0419.C12.p1.np	histone(HMM:1.4e-12)
21210	OJ000403_16.0419.C7.p1.np	histone(HMM:1.4e-47)
21211	OJ000404_22.0424.C15.p3.np	histone(HMM:1.5e-45)
21212	OJ990105_06.9819.C16.p1.np	histone(HMM:8.3e-13)
21213	OJ990304_01.9819.C8.p2.np	histone(HMM:2.5e-24)
21214	OJ990409_11.9922.C8.p1.np	histone(HMM:1.4e-10)
21215	OJ990409_11.9922.C9.p1.np	histone(HMM:1.7e-10)
21216	OJ990409_11.9922.C9.p3.np	histone(HMM:2e-39)
21217	OJ990428_07.9C10.C2.p2.np	histone(HMM:1.3e-46)
21218	OJ990428_07.9C10.C24.p1.np	histone(HMM:3.6e-36)
21219	OJ990428_07.9C10.C52.p2.np	histone(HMM:2e-45)
21220	OJ990429_12.9819.C28.p1.np	histone(HMM:1.9e-12)
21221	OJ990602_12.0421.C22.p1.np	histone(HMM:0.78)
21222	OJ990602_12.9C22.C25.p1.np	histone(HMM:7.6)
21223	OJ990602_12.9C22.C26.p1.np	histone(HMM:0.78)
21224	OJ990621_11.0419.C23.p1.np	histone(HMM:1.4e-47)
21225	OJ990701_02.9922.C3.p3.np	histone(HMM:1.4e-47)
21226	OJ990701_02.9922.C3.p7.np	histone(HMM:6.9e-45)
21227	OJ990701_02.9922.C4.p4.np	histone(HMM:1.4e-47)
21228	OJ990701_02.9922.C4.p5.np	histone(HMM:1.4e-47)
21229	OJ990713_03.9A01.C6.p4.np	histone(HMM:1.4e-47)
21230	OJ990721_07.0211.C6.p2.np	histone(HMM:2e-39)
21231	OJ990726_04.9C03.C3.p6.np	histone(HMM:1.5e-45)
21232	OJ990907_15.9C03.C5.p1.np	histone(HMM:6e-45)
21233	OJ990923_08.9B08.C5.p1.np	histone(HMM:1.5e-46)
21234	OJ990923_08.9B08.C7.p2.np	histone(HMM:1.8e-47)
21235	OJ990923_08.9B08.C9.p2.np	histone(HMM:4.8e-46)
21236	OJ991019_09.0211.C9.p2.np	histone(HMM:2.8e-36)
21237	OJ991019_09.0211.C9.p5.np	histone(HMM:1e-39)
21238	OJ991110_03.0120.C6.p1.np	histone(HMM:1.2e-45)
21239	OJ991111_08.0307.C11.p2.np	histone(HMM:2.5e-24)
21240	OJ991201_10.0421.C14.p3.np	histone(HMM:9.3e-05)
21241	OJ991201_10.9C29.C15.p1.np	histone(HMM:9.3e-05)
21242	OJ991201_12.0421.C3.p1.np	histone(HMM:1.6e-08)
21243	OJ991201_12.9C29.C3.p1.np	histone(HMM:1.6e-08)
21244	OJ991210_12.0112.C8.p1.np	histone(HMM:4.8e-46)
21245	OJ991210_12.0112.C9.p1.np	histone(HMM:2e-45)
21246	OJ991214_04.0114.C8.p2.np	histone(HMM:0.0025)
21247	OJ991215_12.0128.C1.p1.np	histone(HMM:4.8e-46)
21248	OJ991215_12.0128.C5.p1.np	histone(HMM:2e-45)
21249	OJ991220_02.0127.C10.p5.np	histone(HMM:1.4e-47)
21250	OJ991220_02.0127.C10.p9.np	histone(HMM:2.6e-46)
21251	OJ000103_04.0303.C9.p3.np	hlh(HMM:0.0012)
21252	OJ000103_04.0426.C9.p3.np	hlh(HMM:0.0012)
21253	OJ000110_10.0217.C2.p2.np	hlh(HMM:2.4e-10)
21254	OJ000110_10.0426.C2.p2.np	hlh(HMM:2.4e-10)
21255	OJ000110_18.0301.C7.p4.np	hlh(HMM:3.8e-06)

21364	OJ991007_18.0120.C6.p1.np	hlh(HMM:1.3e-13)
21365	OJ991011_02.9C30.C7.p2.np	hlh(HMM:6.9e-05)
21366	OJ991013_07.0223.C22.p1.np	hlh(HMM:7.3e-16)
21367	OJ991013_07.0317.C13.p1.np	hlh(HMM:7.3e-16)
21368	OJ991020_06.0215.C16.p2.np	hlh(HMM:1.8e-12)
21369	OJ991020_06.0303.C13.p2.np	hlh(HMM:1.8e-12)
21370	OJ991022_15.0207.C2.p2.np	hlh(HMM:0.011)
21371	OJ991107_44.0421.C5.p1.np	hlh(HMM:1.2e-16)
21372	OJ991107_44.9C27.C5.p1.np	hlh(HMM:1.2e-16)
21373	OJ991112_08.0421.C7.p3.np	hlh(HMM:9.7e-08)
21374	OJ991112_08.9C22.C7.p3.np	hlh(HMM:9.7e-08)
21375	OJ991112_13.0110.C6.p3.np	hlh(HMM:4.8e-09)
21376	OJ991113_35.0112.C1.p1.np	hlh(HMM:0.07)
21377	OJ991117_06.0419.C10.p1.np	hlh(HMM:1.4e-09)
21378	OJ991117_15.0331.C12.p3.np	hlh(HMM:0.0022)
21379	OJ991121_30.0419.C21.p1.np	hlh(HMM:0.00011)
21380	OJ991122_05.0210.C14.p1.np	hlh(HMM:0.0021)
21381	OJ991122_05.0303.C7.p1.np	hlh(HMM:0.0021)
21382	OJ991122_05.0421.C7.p1.np	hlh(HMM:0.0021)
21383	OJ991201_08.9C23.C2.p2.np	hlh(HMM:1.4e-07)
21384	OJ991202_07.0421.C6.p4.np	hlh(HMM:2e-15)
21385	OJ991202_07.9C30.C7.p1.np	hlh(HMM:2e-15)
21386	OJ991206_16.0112.C15.p1.np	hlh(HMM:4.1e-07)
21387	OJ991208_04.0128.C20.p1.np	hlh(HMM:1.1e-09)
21388	OJ991209_10.0119.C6.p1.np	hlh(HMM:0.0098)
21389	OJ991210_01.0110.C3.p3.np	hlh(HMM:1.1e-09)
21390	OJ991214_10.0222.C3.p1.np	hlh(HMM:1.1e-06)
21391	OJ991217_13.0118.C13.p1.np	hlh(HMM:1e-07)
21392	OJ991225_72.0322.C6.p1.np	hlh(HMM:6.9e-05)
21393	OJ991226_45.0419.C5.p2.np	hlh(HMM:2e-08)
21394	OJ990317_09.0421.C23.p1.np	hlh(HMM:6.8e-10),set(HMM:4.3e-57)
21395	OJ990317_09.9C20.C23.p1.np	hlh(HMM:6.8e-10),set(HMM:4.3e-57)
21396	OJ990808_40.0419.C3.p1.np	hlh_e2f(5.2e-05)
21397	OJ990818_07.9920.C6.p3.np	hlh_e2f(1.8e-20)
21398	OJ990823_03.9B19.C7.p1.np	hlh_e2f(1.8e-20)
21399	OJ990907_02.9B19.C4.p1.np	hlh_e2f(3.3e-18)
21400	OJ990907_02.9B19.C5.p1.np	hlh_e2f(3.0e-17)
21401	OJ991214_12.0114.C3.p1.np	hlh_e2f(1.8e-20)
21402	OJ000207_07.0224.C7.p6.np	hmg_box(HMM:3.5e-22)
21403	OJ000250_31.0217.C44.p2.np	hmg_box(HMM:0.88)
21404	OJ000302_07.0407.C9.p2.np	hmg_box(HMM:5.9e-19)
21405	OJ000307_28.0417.C11.p4.np	hmg_box(HMM:6.9e-05)
21406	OJ000316_21.0424.C41.p1.np	hmg_box(HMM:0.0076)
21407	OJ000316_26.0419.C70.p1.np	hmg_box(HMM:5.4e-27)
21408	OJ000316_28.0418.C67.p1.np	hmg_box(HMM:5.4e-27)
21409	OJ000330_14.0419.C29.p1.np	hmg_box(HMM:0.0051)
21410	OJ000113_04.0302.C7.p2.np	homeobox(HMM:5e-12)
21411	OJ000113_04.0426.C7.p2.np	homeobox(HMM:4.3e-14)
21412	OJ000113_08.0215.C5.p1.np	homeobox(HMM:0.0098)
21413	OJ000113_08.0426.C5.p1.np	homeobox(HMM:0.0098)
21414	OJ000113_18.0328.C7.p4.np	homeobox(HMM:1.1e-08)
21415	OJ000114_24.0315.C2.p8.np	homeobox(HMM:0.0098)

21416	OJ000150_28.0124.C57.p1.np	homeobox(HMM:3e-19)
21417	OJ000150_28.0323.C57.p1.np	homeobox(HMM:3e-19)
21418	OJ000150_30.0124.C55.p3.np	homeobox(HMM:2.1e-14)
21419	OJ000150_30.0323.C55.p3.np	homeobox(HMM:2.1e-14)
21420	OJ000208_05.0322.C25.p1.np	homeobox(HMM:3.5)
21421	OJ000210_26.0317.C14.p1.np	homeobox(HMM:4.2e-15)
21422	OJ000211_10.0403.C3.p5.np	homeobox(HMM:4.5e-07)
21423	OJ000214_08.0419.C32.p1.np	homeobox(HMM:1.5e-17)
21424	OJ000217_15.0419.C13.p2.np	homeobox(HMM:1.1e-08)
21425	OJ000223_03.0330.C7.p1.np	homeobox(HMM:1.5e-15)
21426	OJ000223_19.0403.C4.p1.np	homeobox(HMM:0.069)
21427	OJ000250_01.0308.C13.p1.np	homeobox(HMM:4.9e-20)
21428	OJ000250_01.0414.C13.p1.np	homeobox(HMM:4.9e-20)
21429	OJ000250_28.0208.C13.p1.np	homeobox(HMM:4.9e-20)
21430	OJ000250_46.0211.C15.p1.np	homeobox(HMM:1.3e-18)
21431	OJ000250_46.0303.C13.p1.np	homeobox(HMM:1.3e-18)
21432	OJ000250_67.0303.C7.p1.np	homeobox(HMM:0.0065)
21433	OJ000251_47.0320.C3.p1.np	homeobox(HMM:0.044)
21434	OJ000302_27.0419.C2.p1.np	homeobox(HMM:0.0084)
21435	OJ000307_28.0417.C6.p1.np	homeobox(HMM:0.045)
21436	OJ000310_04.0419.C5.p1.np	homeobox(HMM:1.5e-15)
21437	OJ000310_08.0419.C22.p1.np	homeobox(HMM:1.1e-20)
21438	OJ000310_08.0419.C38.p1.np	homeobox(HMM:5.6e-20)
21439	OJ000313_40.0419.C25.p1.np	homeobox(HMM:5.9e-19)
21440	OJ000314_03.0412.C12.p6.np	homeobox(HMM:6.2e-21)
21441	OJ000314_08.0414.C5.p1.np	homeobox(HMM:9.5e-19)
21442	OJ000315_19.0413.C2.p1.np	homeobox(HMM:1.6e-17)
21443	OJ000315_19.0420.C2.p1.np	homeobox(HMM:0.036)
21444	OJ000315_19.0420.C6.p1.np	homeobox(HMM:2.3e-16)
21445	OJ000321_19.0419.C20.p1.np	homeobox(HMM:3e-19)
21446	OJ000321_25.0419.C32.p1.np	homeobox(HMM:0.0073)
21447	OJ000321_31.0411.C6.p2.np	homeobox(HMM:0.044)
21448	OJ000321_40.0419.C14.p1.np	homeobox(HMM:4.9e-20)
21449	OJ000323_38.0418.C18.p1.np	homeobox(HMM:3.1e-13)
21450	OJ000330_27.0421.C5.p1.np	homeobox(HMM:0.069)
21451	OJ990203_05.9819.C19.p5.np	homeobox(HMM:3.8e-19)
21452	OJ990315_09.0128.C13.p1.np	homeobox(HMM:5.6e-20)
21453	OJ990315_09.0128.C20.p1.np	homeobox(HMM:1.5e-17)
21454	OJ990315_09.0421.C13.p1.np	homeobox(HMM:5.6e-20)
21455	OJ990315_09.0421.C19.p1.np	homeobox(HMM:1.5e-17)
21456	OJ990331_01.9922.C10.p4.np	homeobox(HMM:7.7e-19)
21457	OJ990408_08.9B12.C19.p1.np	homeobox(HMM:4.6e-18)
21458	OJ990427_03.9927.C15.p2.np	homeobox(HMM:7.4e-16)
21459	OJ990520_01.9B12.C29.p1.np	homeobox(HMM:3.1e-14)
21460	OJ990526_09.9924.C10.p2.np	homeobox(HMM:0.0067)
21461	OJ990526_09.9924.C10.p3.np	homeobox(HMM:5.5e-12)
21462	OJ990526_09.9924.C10.p4.np	homeobox(HMM:0.0067)
21463	OJ990527_26.9C10.C2.p5.np	homeobox(HMM:0.052)
21464	OJ990530_35.0103.C54.p1.np	homeobox(HMM:7e-20)
21465	OJ990530_35.0421.C53.p1.np	homeobox(HMM:7e-20)
21466	OJ990602_12.0421.C6.p1.np	homeobox(HMM:3.9e-09)
21467	OJ990602_12.9C22.C8.p1.np	homeobox(HMM:3.9e-09)
21468	OJ990602_12.9C22.C8.p2.np	homeobox(HMM:8.4e-17)
21469	OJ990616_05.9A27.C23.p1.np	homeobox(HMM:1.8e-18)

21470	OJ990622_10.0128.C10.p1.np	homeobox(HMM:2.4e-06)
21471	OJ990630_11.9B15.C6.p2.np	homeobox(HMM:4e-20)
21472	OJ990730_06.0310.C30.p2.np	homeobox(HMM:7e-20)
21473	OJ990730_06.9921.C21.p1.np	homeobox(HMM:4.1e-19)
21474	OJ990730_08.9C10.C3.p6.np	homeobox(HMM:3.1e-14)
21475	OJ990805_01.9B19.C9.p1.np	homeobox(HMM:1.5e-15)
21476	OJ990810_06.9922.C3.p4.np	homeobox(HMM:7e-20)
21477	OJ990825_16.0303.C9.p1.np	homeobox(HMM:6.1)
21478	OJ990830_05.9C06.C14.p1.np	homeobox(HMM:0.0073)
21479	OJ990921_14.0308.C6.p1.np	homeobox(HMM:4.9e-20)
21480	OJ990923_14.0228.C79.p2.np	homeobox(HMM:5.5e-19)
21481	OJ990924_11.0103.C1.p1.np	homeobox(HMM:2.1e-14)
21482	OJ991022_14.0119.C3.p2.np	homeobox(HMM:0.04)
21483	OJ991028_10.0118.C10.p1.np	homeobox(HMM:7e-20)
21484	OJ991102_06.0120.C7.p3.np	homeobox(HMM:1.2e-20)
21485	OJ991106_43.0105.C2.p2.np	homeobox(HMM:1.1e-20)
21486	OJ991202_05.0421.C3.p3.np	homeobox(HMM:5.7e-19)
21487	OJ991202_05.9C30.C3.p3.np	homeobox(HMM:5.7e-19)
21488	OJ991202_19.0114.C7.p2.np	homeobox(HMM:1.1e-05)
21489	OJ991202_19.0421.C6.p1.np	homeobox(HMM:3.2e-13)
21490	OJ991208_02.0106.C5.p9.np	homeobox(HMM:0.0098)
21491	OJ991209_05.0118.C8.p3.np	homeobox(HMM:2.2e-20)
21492	OJ991216_02.0218.C8.p1.np	homeobox(HMM:0.008)
21493	OJ991226_32.0308.C23.p1.np	homeobox(HMM:4.9e-20)
21494	OJ000111_01.0225.C3.p4.np	homeobox(HMM:0.0081),homeo box_knox3(1.4e-08)
21495	OJ000111_01.0426.C3.p3.np	homeobox(HMM:0.0081),homeo box_knox3(1.4e-08)
21496	OJ000113_20.0203.C12.p1.np	homeobox(HMM:0.0029),homeo box_knox3(4.0e-19)
21497	OJ000118_13.0419.C24.p1.np	homeobox(HMM:0.003),homeob ox_knox3(2.5e-08)
21498	OJ000150_02.0124.C45.p1.np	homeobox(HMM:0.0023),homeo box_knox3(1.0e-19)
21499	OJ000217_01.0308.C6.p4.np	homeobox(HMM:0.0033),homeo box_knox3(6.5e-19)
21500	OJ000221_03.0403.C14.p2.np	homeobox(HMM:0.0038),homeo box_knox3(5.8e-19)
21501	OJ000301_28.0330.C5.p2.np	homeobox(HMM:0.0081),homeo box_knox3(1.4e-08)
21502	OJ000323_37.0418.C8.p1.np	homeobox(HMM:0.00047),homeo obox_knox3(2.6e-09)
21503	OJ990122_01.9819.C3.p1.np	homeobox(HMM:0.00047),homeo obox_knox3(2.5e-09)
21504	OJ990430_20.9A20.C1.p1.np	homeobox(HMM:0.0038),homeo box_knox3(2.6e-19)
21505	OJ990430_20.9A20.C7.p2.np	homeobox(HMM:0.0041),homeo box_knox3(7.0e-07)
21506	OJ990502_22.9A14.C9.p1.np	homeobox(HMM:0.0047),homeo box_knox3(2.3e-08)
21507	OJ990505_06.9A11.C19.p1.np	homeobox(HMM:0.0023),homeo box_knox3(1.0e-19)
21508	OJ990729_04.0317.C4.p1.np	homeobox(HMM:0.00047),homeo obox_knox3(2.5e-09)

21509	OJ990823_02.9B15.C15.p2.np	homeobox(HMM:0.0081),homeobox_knox3(1.4e-08)
21510	OJ990826_02.9B04.C17.p4.np	homeobox(HMM:0.0038),homeobox_knox3(5.8e-19)
21511	OJ991117_11.9C22.C2.p1.np	homeobox(HMM:0.0074),homeobox_knox3(3.0e-08)
21512	OJ991217_13.0118.C11.p1.np	homeobox(HMM:0.00017),homeobox_knox3(6.5e-10)
21513	OJ991217_14.0118.C20.p1.np	homeobox(HMM:3.9),homeobox_knox3(0.0004)
21514	OJ991225_73.0317.C13.p2.np	homeobox(HMM:0.003),homeobox_knox3(4.1e-08)
21515	OJ990730_04.9920.C7.p1.np	homeobox(HMM:1.2e-18),homeobox_mat(0.0008)
21516	OJ991116_09.0222.C12.p1.np	homeobox(HMM:1.2e-18),homeobox_mat(0.0008)
21517	OJ991116_09.0414.C13.p1.np	homeobox(HMM:1.2e-18),homeobox_mat(0.0008)
21518	OJ000223_11.0405.C13.p1.np	homeobox_knox3(3.4e-05)
21519	OJ000223_11.0405.C14.p1.np	homeobox_knox3(1.1e-07)
21520	OJ000114_27.0419.C23.p1.np	hsf_dna-bind(HMM:1.7e-07)
21521	OJ000204_21.0413.C2.p1.np	hsf_dna-bind(HMM:1.9e-06)
21522	OJ000204_21.0413.C3.p1.np	hsf_dna-bind(HMM:0.0026)
21523	OJ000204_22.0419.C11.p2.np	hsf_dna-bind(HMM:0.0015)
21524	OJ000210_10.0307.C10.p1.np	hsf_dna-bind(HMM:4.5e-49)
21525	OJ000221_08.0320.C6.p3.np	hsf_dna-bind(HMM:4e-74)
21526	OJ000310_08.0419.C8.p1.np	hsf_dna-bind(HMM:3.8e-08)
21527	OJ000310_08.0419.C8.p2.np	hsf_dna-bind(HMM:6.7e-06)
21528	OJ000314_08.0414.C1.p2.np	hsf_dna-bind(HMM:1.1e-58)
21529	OJ000320_15.0411.C9.p2.np	hsf_dna-bind(HMM:3.5e-73)
21530	OJ000320_21.0419.C33.p1.np	hsf_dna-bind(HMM:3.5e-52)
21531	OJ000323_08.0419.C4.p1.np	hsf_dna-bind(HMM:1.4e-16)
21532	OJ000323_08.0419.C5.p1.np	hsf_dna-bind(HMM:1.7e-12)
21533	OJ000323_16.0421.C22.p1.np	hsf_dna-bind(HMM:2.1e-08)
21534	OJ990315_09.0128.C5.p1.np	hsf_dna-bind(HMM:2.5e-53)
21535	OJ990315_09.0421.C5.p1.np	hsf_dna-bind(HMM:2.5e-53)
21536	OJ990423_07.9B01.C25.p1.np	hsf_dna-bind(HMM:2.5e-75)
21537	OJ990527_20.0419.C45.p3.np	hsf_dna-bind(HMM:4.5e-58)
21538	OJ990527_23.9C10.C61.p1.np	hsf_dna-bind(HMM:0.24)
21539	OJ990620_36.9B04.C6.p3.np	hsf_dna-bind(HMM:4.5e-58)
21540	OJ990626_32.0419.C27.p1.np	hsf_dna-bind(HMM:0.0023)
21541	OJ990701_01.9919.C7.p1.np	hsf_dna-bind(HMM:4.1e-60)
21542	OJ990816_07.0225.C4.p1.np	hsf_dna-bind(HMM:1.7e-29)
21543	OJ990817_12.0103.C2.p2.np	hsf_dna-bind(HMM:4.5e-11)
21544	OJ990817_12.0103.C3.p1.np	hsf_dna-bind(HMM:7.5e-11)
21545	OJ990903_04.9B12.C28.p1.np	hsf_dna-bind(HMM:6.3e-09)
21546	OJ991027_16.0118.C12.p2.np	hsf_dna-bind(HMM:9.7e-57)
21547	OJ991106_43.0105.C4.p1.np	hsf_dna-bind(HMM:1e-49)
21548	OJ991114_37.0128.C1.p1.np	hsf_dna-bind(HMM:1.2e-60)
21549	OJ991121_30.0419.C4.p1.np	hsf_dna-bind(HMM:0.032)
21550	OJ991202_08.0421.C15.p1.np	hsf_dna-bind(HMM:5.1e-16)
21551	OJ991202_08.9C30.C14.p1.np	hsf_dna-bind(HMM:5.1e-16)
21552	OJ991210_11.0121.C16.p1.np	hsf_dna-bind(HMM:1.6e-38)
21553	OJ991214_05.0214.C9.p2.np	hsf_dna-bind(HMM:4.4e-47)

21554	OJ991226_43.0315.C7.p2.np	hsf_dna-bind(HMM:1e-15)
21555	OJ991226_43.0315.C7.p4.np	hsf_dna-bind(HMM:3.4e-14)
21556	OJ000107_10.0215.C14.p2.np	iaa(HMM:6.4e-41)
21557	OJ000107_10.0426.C14.p2.np	iaa(HMM:6.4e-41)
21558	OJ000118_21.0313.C6.p1.np	iaa(HMM:1.2e-41)
21559	OJ000125_05.0316.C8.p2.np	iaa(HMM:1.6e-37)
21560	OJ000150_00.0124.C56.p1.np	iaa(HMM:5.4e-37)
21561	OJ000150_19.0124.C1.p1.np	iaa(HMM:1.7e-48)
21562	OJ000150_19.0124.C2.p2.np	iaa(HMM:6.2e-60)
21563	OJ000250_35.0224.C4.p4.np	iaa(HMM:0.00023)
21564	OJ000250_43.0214.C5.p16.np	iaa(HMM:5.1e-37)
21565	OJ000301_04.0403.C17.p1.np	iaa(HMM:4.3e-05)
21566	OJ000301_04.0403.C25.p1.np	iaa(HMM:5.2e-23)
21567	OJ000302_05.0406.C13.p1.np	iaa(HMM:1.8e-36)
21568	OJ000303_02.0403.C9.p1.np	iaa(HMM:3.8e-43)
21569	OJ000307_13.0419.C11.p1.np	iaa(HMM:5.6e-05)
21570	OJ000307_13.0419.C8.p4.np	iaa(HMM:1.7e-48)
21571	OJ000310_07.0418.C8.p1.np	iaa(HMM:5.1e-37)
21572	OJ000310_08.0419.C33.p2.np	iaa(HMM:3.7e-45)
21573	OJ000310_24.0419.C6.p1.np	iaa(HMM:0.026)
21574	OJ000320_29.0419.C3.p1.np	iaa(HMM:6.4e-38)
21575	OJ000329_12.0419.C18.p1.np	iaa(HMM:8.5e-25)
21576	OJ000330_35.0419.C22.p2.np	iaa(HMM:4.3e-05)
21577	OJ000404_33.0424.C15.p1.np	iaa(HMM:7.4e-21)
21578	OJ990311_14.9819.C2.p1.np	iaa(HMM:3.2e-45)
21579	OJ990315_09.0128.C8.p2.np	iaa(HMM:3.3e-46)
21580	OJ990315_09.0421.C8.p2.np	iaa(HMM:3.3e-46)
21581	OJ990414_03.9C03.C10.p1.np	iaa(HMM:6.5e-32)
21582	OJ990428_28.9A08.C7.p2.np	iaa(HMM:3e-44)
21583	OJ990512_08.0419.C41.p1.np	iaa(HMM:1.3e-39)
21584	OJ990519_28.9924.C16.p1.np	iaa(HMM:2.6e-41)
21585	OJ990619_48.9A20.C1.p1.np	iaa(HMM:3.9e-54)
21586	OJ990619_54.9922.C3.p1.np	iaa(HMM:1.2e-51)
21587	OJ990708_04.9A01.C9.p1.np	iaa(HMM:1e-30)
21588	OJ990808_54.0421.C7.p1.np	iaa(HMM:4.6e-06)
21589	OJ990808_54.9C20.C8.p1.np	iaa(HMM:4.6e-06)
21590	OJ990822_48.0106.C2.p2.np	iaa(HMM:1.6e-53)
21591	OJ990922_10.0128.C12.p3.np	iaa(HMM:2e-40)
21592	OJ991105_10.0419.C10.p1.np	iaa(HMM:4e-06)
21593	OJ991106_43.0105.C7.p2.np	iaa(HMM:3.7e-45)
21594	OJ991107_44.0421.C3.p1.np	iaa(HMM:1.2e-28)
21595	OJ991107_44.9C27.C3.p1.np	iaa(HMM:1.2e-28)
21596	OJ991109_02.0118.C6.p1.np	iaa(HMM:4.3e-05)
21597	OJ991114_35.0419.C20.p1.np	iaa(HMM:3.7e-48)
21598	OJ991122_05.0210.C10.p1.np	iaa(HMM:9e-42)
21599	OJ991122_05.0303.C2.p1.np	iaa(HMM:9e-42)
21600	OJ991122_05.0421.C2.p1.np	iaa(HMM:9e-42)
21601	OJ991203_01.0128.C10.p4.np	iaa(HMM:3.7e-48)
21602	OJ991211_35.0420.C15.p2.np	iaa(HMM:3.9e-42)
21603	OJ000303_07.0419.C27.p2.np	ibr(HMM:5.2e-10)
21604	OJ000306_05.0419.C4.p2.np	ibr(HMM:3.6e-19)
21605	OJ000306_06.0403.C16.p1.np	ibr(HMM:5.9e-33)
21606	OJ000306_06.0403.C16.p2.np	ibr(HMM:1.6e-11)
21607	OJ000306_06.0403.C16.p3.np	ibr(HMM:3.6e-19)

21608	OJ000314_15.0419.C23.p1.np	ibr(HMM:4.2e-12)
21609	OJ000314_15.0419.C24.p1.np	ibr(HMM:3.6e-10)
21610	OJ000315_07.0420.C20.p3.np	ibr(HMM:3e-17)
21611	OJ990528_30.9919.C9.p1.np	ibr(HMM:8.8e-21)
21612	OJ990810_02.9B08.C9.p2.np	ibr(HMM:1.6e-11)
21613	OJ991027_11.0119.C6.p2.np	ibr(HMM:3e-18)
21614	OJ991107_39.9C17.C5.p5.np	ibr(HMM:3e-17)
21615	OJ991216_02.0218.C24.p3.np	ibr(HMM:0.002)
21616	OJ000111_12.0313.C5.p3.np	ibr(HMM:4.8e-05),zf- c3hc4(HMM:0.069)
21617	OJ000111_12.0313.C5.p4.np	ibr(HMM:0.013),zf- c3hc4(HMM:0.006)
21618	OJ000111_12.0426.C5.p3.np	ibr(HMM:4.8e-05),zf- c3hc4(HMM:0.069)
21619	OJ000111_12.0426.C5.p4.np	ibr(HMM:0.013),zf- c3hc4(HMM:0.006)
21620	OJ000250_49.0214.C8.p2.np	ibr(HMM:0.0021),zf- c3hc4(HMM:0.11)
21621	OJ000303_07.0419.C27.p3.np	ibr(HMM:0.003),zf- c3hc4(HMM:0.055)
21622	OJ000303_28.0419.C19.p2.np	ibr(HMM:0.0021),zf- c3hc4(HMM:0.11)
21623	OJ000306_05.0419.C4.p1.np	ibr(HMM:0.00044),zf- c3hc4(HMM:0.03)
21624	OJ000313_26.0407.C14.p1.np	ibr(HMM:1.3e-15),zf- c3hc4(HMM:0.063)
21625	OJ000313_26.0420.C14.p1.np	ibr(HMM:1.3e-15),zf- c3hc4(HMM:0.063)
21626	OJ000314_15.0419.C16.p1.np	ibr(HMM:1.3e-11),zf- c3hc4(HMM:0.13)
21627	OJ990503_05.9B12.C25.p1.np	ibr(HMM:0.0021),zf- c3hc4(HMM:0.11)
21628	OJ990519_29.9B05.C8.p1.np	ibr(HMM:2.5e-08),zf- c3hc4(HMM:0.021)
21629	OJ990619_35.9927.C5.p7.np	ibr(HMM:0.26),zf- c3hc4(HMM:0.063)
21630	OJ990727_05.9A26.C4.p2.np	ibr(HMM:1e-06),zf- c3hc4(HMM:0.037)
21631	OJ990810_02.9B08.C9.p3.np	ibr(HMM:2.9e-19),zf- c3hc4(HMM:0.017)
21632	OJ000112_18.0224.C1.p1.np	k-box(HMM:2.4e-07)
21633	OJ000112_18.0426.C1.p1.np	k-box(HMM:2.4e-07)
21634	OJ000113_15.0210.C13.p1.np	k-box(HMM:1.5e-15)
21635	OJ000223_06.0316.C7.p1.np	k-box(HMM:1.3e-21)
21636	OJ000224_03.0404.C19.p2.np	k-box(HMM:6e-32)
21637	OJ000250_48.0211.C12.p1.np	k-box(HMM:4.8e-11)
21638	OJ000250_82.0320.C45.p6.np	k-box(HMM:1.7e-07)
21639	OJ000250_82.0320.C46.p1.np	k-box(HMM:0.0041)
21640	OJ000251_34.0303.C33.p1.np	k-box(HMM:1.2e-06)
21641	OJ000251_48.0228.C11.p1.np	k-box(HMM:1.5e-07)
21642	OJ000306_08.0419.C59.p1.np	k-box(HMM:1e-09)
21643	OJ000314_34.0419.C2.p2.np	k-box(HMM:1.7)
21644	OJ000330_21.0419.C19.p1.np	k-box(HMM:1.5e-09)
21645	OJ990823_06.9B03.C3.p1.np	k-box(HMM:7.1e-11)

21646	OJ990826_02.9B04.C3.p1.np	k-box(HMM:4.4e-13)
21647	OJ990915_06.9B15.C20.p1.np	k-box(HMM:0.0023)
21648	OJ991020_07.0202.C15.p1.np	k-box(HMM:1.6e-10)
21649	OJ991113_34.0421.C9.p4.np	k-box(HMM:4.6)
21650	OJ991113_34.9C27.C29.p2.np	k-box(HMM:4.6)
21651	OJ991208_01.0110.C9.p1.np	k-box(HMM:0.053)
21652	OJ991211_57.0228.C13.p1.np	k-box(HMM:1.5e-07)
21653	OJ000204_15.0302.C2.p2.np	k-box(HMM:3.5e-07),srf- tf(HMM:2.6e-35)
21654	OJ000250_82.0320.C45.p4.np	k-box(HMM:8.6e-43),srf- tf(HMM:1e-37)
21655	OJ000302_10.0418.C12.p1.np	k-box(HMM:4.8e-40),srf- tf(HMM:7.3e-36)
21656	OJ000306_09.0407.C36.p1.np	k-box(HMM:3.4e-18),srf- tf(HMM:7.7e-34)
21657	OJ000350_26.0323.C10.p8.np	k-box(HMM:5.2e-17),srf- tf(HMM:9.6e-38)
21658	OJ990312_12.9819.C28.p1.np	k-box(HMM:7.3e-09),srf- tf(HMM:1.2e-20)
21659	OJ990515_20.9924.C4.p1.np	k-box(HMM:1.5e-23),srf- tf(HMM:2.2e-38)
21660	OJ990517_23.9C10.C9.p2.np	k-box(HMM:3e-26),srf- tf(HMM:1.2e-36)
21661	OJ990525_14.9C03.C6.p2.np	k-box(HMM:1e-13),srf- tf(HMM:7.7e-34)
21662	OJ990528_21.9B12.C23.p2.np	k-box(HMM:3e-26),srf- tf(HMM:1.2e-36)
21663	OJ990604_02.9A01.C22.p2.np	k-box(HMM:3e-26),srf- tf(HMM:1.2e-36)
21664	OJ990727_04.9A20.C3.p3.np	k-box(HMM:1.9e-18),srf- tf(HMM:2.8e-34)
21665	OJ990914_19.9B01.C2.p2.np	k-box(HMM:3.1e-28),srf- tf(HMM:3.7e-36)
21666	OJ991011_14.0207.C11.p1.np	k-box(HMM:3.6e-40),srf- tf(HMM:2.1e-38)
21667	OJ991115_09.0421.C11.p2.np	k-box(HMM:2e-41),srf- tf(HMM:2.2e-38)
21668	OJ991115_09.9C22.C11.p2.np	k-box(HMM:2e-41),srf- tf(HMM:2.2e-38)
21669	OJ991206_18.0131.C13.p3.np	k-box(HMM:2e-41),srf- tf(HMM:2.2e-38)
21670	OJ991211_65.0317.C11.p1.np	k-box(HMM:1.8e-38),srf- tf(HMM:4.5e-37)
21671	OJ000110_02.0330.C81.p3.np	keyword:AGL(not_available)
21672	OJ000110_02.0426.C81.p3.np	keyword:AGL(not_available)
21673	OJ000222_06.0323.C14.p5.np	keyword:AGL(not_available)
21674	OJ990619_48.9A20.C4.p1.np	keyword:AGL(not_available)
21675	OJ990627_33.9B18.C22.p2.np	keyword:AGL(not_available)
21676	OJ991202_09.0421.C15.p1.np	keyword:AGL(not_available)
21677	OJ991202_09.9C27.C15.p1.np	keyword:AGL(not_available)
21678	OJ000214_02.0321.C21.p2.np	keyword:AT-hook(not_available)
21679	OJ990617_06.9A27.C77.p1.np	keyword:AT-hook(not_available)
21680	OJ990827_13.0204.C13.p2.np	keyword:AT-hook(not_available)
21681	OJ990830_08.9C13.C7.p1.np	keyword:AT-hook(not_available)

21682	OJ990830_09.9C23.C5.p1.np	keyword:AT-hook(not_available)
21683	OJ991107_32.9C13.C3.p2.np	keyword:AT-hook(not_available)
21684	OJ991111_15.0225.C1.p3.np	keyword:AT-hook(not_available)
21685	OJ000214_02.0321.C2.p1.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21686	OJ000229_25.0322.C33.p1.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21687	OJ990122_05.9819.C3.p3.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21688	OJ990528_06.9C03.C13.p1.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21689	OJ990605_43.0317.C6.p1.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21690	OJ990914_13.9B24.C2.p6.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21691	OJ991116_12.0107.C12.p2.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21692	OJ991201_20.0118.C5.p3.np	keyword:AT-hook(not_available),keyword:dna-binding(not_available)
21693	OJ990528_13.9C10.C56.p1.np	keyword:CONSTANS(not_available)
21694	OJ991101_12.0218.C14.p1.np	keyword:CONSTANS(not_available)
21695	OJ000113_10.0224.C3.p1.np	keyword:DREB(not_available)
21696	OJ000118_15.0419.C15.p1.np	keyword:DREB(not_available)
21697	OJ000250_67.0303.C2.p1.np	keyword:DREB(not_available)
21698	OJ000321_27.0419.C20.p4.np	keyword:DREB(not_available)
21699	OJ000324_20.0419.C33.p1.np	keyword:DREB(not_available)
21700	OJ000324_20.0419.C34.p1.np	keyword:DREB(not_available)
21701	OJ000350_05.0410.C5.p1.np	keyword:DREB(not_available)
21702	OJ990129_01.9917.C36.p1.np	keyword:DREB(not_available)
21703	OJ990312_08.9923.C14.p1.np	keyword:DREB(not_available)
21704	OJ990312_08.9923.C2.p1.np	keyword:DREB(not_available)
21705	OJ990503_11.9921.C25.p1.np	keyword:DREB(not_available)
21706	OJ990616_09.9C01.C48.p3.np	keyword:DREB(not_available)
21707	OJ990617_14.9B23.C3.p1.np	keyword:DREB(not_available)
21708	OJ990810_04.0303.C39.p1.np	keyword:DREB(not_available)
21709	OJ990822_42.0419.C37.p1.np	keyword:DREB(not_available)
21710	OJ990903_16.9B19.C23.p2.np	keyword:DREB(not_available)
21711	OJ990909_07.9B15.C18.p3.np	keyword:DREB(not_available)
21712	OJ991113_45.0419.C3.p1.np	keyword:DREB(not_available)
21713	OJ991209_02.0107.C4.p3.np	keyword:DREB(not_available)
21714	OJ991209_02.0421.C6.p4.np	keyword:DREB(not_available)
21715	OJ991211_56.0303.C12.p1.np	keyword:DREB(not_available)
21716	OJ000112_15.0310.C21.p1.np	keyword:Leucine-zipper(not_available)

21717	OJ000112_15.0310.C22.p1.np	keyword:Leucine- zipper(not_available)
21718	OJ000112_15.0426.C21.p1.np	keyword:Leucine- zipper(not_available)
21719	OJ000112_15.0426.C22.p1.np	keyword:Leucine- zipper(not_available)
21720	OJ000204_05.0419.C21.p1.np	keyword:Leucine- zipper(not_available)
21721	OJ000327_17.0420.C28.p1.np	keyword:Leucine- zipper(not_available)
21722	OJ990324_03.0419.C180.p1.np	keyword:Leucine- zipper(not_available)
21723	OJ990324_03.0419.C181.p1.np	keyword:Leucine- zipper(not_available)
21724	OJ990528_28.9A01.C5.p3.np	keyword:Leucine- zipper(not_available)
21725	OJ990604_03.9C03.C39.p2.np	keyword:Leucine- zipper(not_available)
21726	OJ990716_06.9819.C18.p3.np	keyword:Leucine- zipper(not_available)
21727	OJ991012_10.0127.C10.p2.np	keyword:Leucine- zipper(not_available)
21728	OJ991109_19.0421.C8.p1.np	keyword:Leucine- zipper(not_available)
21729	OJ000102_36.0222.C1.p1.np	keyword:ap2(not_available)
21730	OJ000102_56.0407.C49.p2.np	keyword:ap2(not_available)
21731	OJ000102_56.0426.C49.p2.np	keyword:ap2(not_available)
21732	OJ000103_08.0222.C8.p1.np	keyword:ap2(not_available)
21733	OJ000110_02.0330.C66.p1.np	keyword:ap2(not_available)
21734	OJ000110_02.0426.C66.p1.np	keyword:ap2(not_available)
21735	OJ000113_01.0331.C11.p2.np	keyword:ap2(not_available)
21736	OJ000113_01.0426.C11.p2.np	keyword:ap2(not_available)
21737	OJ000117_05.0419.C63.p1.np	keyword:ap2(not_available)
21738	OJ000130_34.0419.C21.p1.np	keyword:ap2(not_available)
21739	OJ000207_03.0330.C21.p2.np	keyword:ap2(not_available)
21740	OJ000221_06.0330.C9.p1.np	keyword:ap2(not_available)
21741	OJ000229_19.0331.C5.p2.np	keyword:ap2(not_available)
21742	OJ000250_31.0217.C45.p2.np	keyword:ap2(not_available)
21743	OJ000250_31.0217.C46.p1.np	keyword:ap2(not_available)
21744	OJ000250_61.0419.C6.p3.np	keyword:ap2(not_available)
21745	OJ000251_42.0328.C20.p2.np	keyword:ap2(not_available)
21746	OJ000302_23.0331.C15.p1.np	keyword:ap2(not_available)
21747	OJ000307_28.0417.C12.p1.np	keyword:ap2(not_available)
21748	OJ000313_32.0419.C10.p1.np	keyword:ap2(not_available)
21749	OJ000323_22.0418.C5.p1.np	keyword:ap2(not_available)
21750	OJ000329_01.0419.C13.p1.np	keyword:ap2(not_available)
21751	OJ000329_01.0419.C15.p1.np	keyword:ap2(not_available)
21752	OJ000350_02.0314.C18.p7.np	keyword:ap2(not_available)
21753	OJ990308_07.9819.C16.p2.np	keyword:ap2(not_available)
21754	OJ990409_05.0419.C37.p1.np	keyword:ap2(not_available)
21755	OJ990421_21.0211.C13.p1.np	keyword:ap2(not_available)
21756	OJ990423_11.9924.C7.p2.np	keyword:ap2(not_available)
21757	OJ990423_11.9924.C7.p3.np	keyword:ap2(not_available)
21758	OJ990430_11.9A14.C31.p1.np	keyword:ap2(not_available)

21759	OJ990519_30.9A20.C9.p2.np	keyword:ap2(not_available)
21760	OJ990701_10.9919.C15.p3.np	keyword:ap2(not_available)
21761	OJ990706_05.9A20.C3.p1.np	keyword:ap2(not_available)
21762	OJ990728_11.9C03.C9.p5.np	keyword:ap2(not_available)
21763	OJ990728_13.9920.C4.p8.np	keyword:ap2(not_available)
21764	OJ990821_42.0110.C36.p1.np	keyword:ap2(not_available)
21765	OJ990821_42.0421.C34.p1.np	keyword:ap2(not_available)
21766	OJ990822_44.0105.C25.p12.np	keyword:ap2(not_available)
21767	OJ991021_19.0202.C15.p3.np	keyword:ap2(not_available)
21768	OJ991116_06.0104.C8.p1.np	keyword:ap2(not_available)
21769	OJ991116_06.0104.C9.p3.np	keyword:ap2(not_available)
21770	OJ991122_12.0229.C12.p3.np	keyword:ap2(not_available)
21771	OJ991206_17.0104.C2.p8.np	keyword:ap2(not_available)
21772	OJ991206_17.0104.C3.p2.np	keyword:ap2(not_available)
21773	OJ991210_10.0110.C16.p3.np	keyword:ap2(not_available)
21774	OJ991215_15.0127.C25.p1.np	keyword:ap2(not_available)
21775	OJ000102_54.0426.C54.p1.np	keyword:bzip(not_available)
21776	OJ000150_00.0124.C39.p1.np	keyword:bzip(not_available)
21777	OJ000150_00.0124.C49.p1.np	keyword:bzip(not_available)
21778	OJ000150_00.0124.C5.p1.np	keyword:bzip(not_available)
21779	OJ000150_01.0124.C25.p1.np	keyword:bzip(not_available)
21780	OJ000214_08.0419.C34.p1.np	keyword:bzip(not_available)
21781	OJ000323_38.0418.C12.p1.np	keyword:bzip(not_available)
21782	OJ000350_46.0322.C6.p1.np	keyword:bzip(not_available)
21783	OJ990405_01.9A01.C13.p3.np	keyword:bzip(not_available)
21784	OJ990405_01.9A01.C13.p4.np	keyword:bzip(not_available)
21785	OJ990520_01.9B12.C50.p2.np	keyword:bzip(not_available)
21786	OJ990730_08.9C10.C1.p1.np	keyword:bzip(not_available)
21787	OJ991001_01.0119.C7.p1.np	keyword:bzip(not_available)
21788	OJ991118_02.0104.C10.p1.np	keyword:bzip(not_available)
21789	OJ991118_02.0104.C10.p2.np	keyword:bzip(not_available)
21790	OJ000302_21.0419.C12.p2.np	keyword:bzip(not_available),key word:dna-binding(not_available)
21791	OJ990503_26.9B02.C12.p2.np	keyword:bzip(not_available),key word:dna-binding(not_available)
21792	OJ990909_08.0222.C21.p4.np	keyword:bzip(not_available),key word:dna-binding(not_available)
21793	OJ990810_04.0303.C29.p1.np	keyword:bzip(not_available),key word:homeobox(not_available)
21794	OJ000102_74.0317.C11.p2.np	keyword:dna- binding(not_available)
21795	OJ000102_74.0317.C11.p3.np	keyword:dna- binding(not_available)
21796	OJ000102_74.0317.C9.p3.np	keyword:dna- binding(not_available)
21797	OJ000102_74.0426.C11.p2.np	keyword:dna- binding(not_available)
21798	OJ000102_74.0426.C11.p3.np	keyword:dna- binding(not_available)
21799	OJ000102_74.0426.C9.p3.np	keyword:dna- binding(not_available)
21800	OJ000111_13.0222.C1.p1.np	keyword:dna- binding(not_available)
21801	OJ000114_05.0323.C59.p5.np	keyword:dna-

21802	OJ000114_05.0414.C60.p5.np	binding(not_available) keyword:dna-
21803	OJ000114_06.0419.C22.p1.np	binding(not_available) keyword:dna-
21804	OJ000114_22.0419.C35.p3.np	binding(not_available) keyword:dna-
21805	OJ000118_24.0307.C5.p2.np	binding(not_available) keyword:dna-
21806	OJ000121_12.0309.C43.p1.np	binding(not_available) keyword:dna-
21807	OJ000207_21.0419.C5.p1.np	binding(not_available) keyword:dna-
21808	OJ000207_21.0419.C6.p1.np	binding(not_available) keyword:dna-
21809	OJ000207_27.0406.C22.p4.np	binding(not_available) keyword:dna-
21810	OJ000208_25.0419.C5.p1.np	binding(not_available) keyword:dna-
21811	OJ000209_26.0229.C16.p3.np	binding(not_available) keyword:dna-
21812	OJ000210_12.0419.C42.p1.np	binding(not_available) keyword:dna-
21813	OJ000210_20.0419.C5.p1.np	binding(not_available) keyword:dna-
21814	OJ000214_06.0309.C16.p1.np	binding(not_available) keyword:dna-
21815	OJ000214_06.0309.C16.p2.np	binding(not_available) keyword:dna-
21816	OJ000214_11.0407.C24.p1.np	binding(not_available) keyword:dna-
21817	OJ000222_06.0323.C5.p1.np	binding(not_available) keyword:dna-
21818	OJ000223_16.0320.C8.p1.np	binding(not_available) keyword:dna-
21819	OJ000224_04.0321.C3.p1.np	binding(not_available) keyword:dna-
21820	OJ000250_54.0309.C19.p1.np	binding(not_available) keyword:dna-
21821	OJ000251_11.0419.C19.p2.np	binding(not_available) keyword:dna-
21822	OJ000251_11.0419.C23.p1.np	binding(not_available) keyword:dna-
21823	OJ000301_02.0404.C10.p1.np	binding(not_available) keyword:dna-
21824	OJ000301_02.0404.C8.p2.np	binding(not_available) keyword:dna-
21825	OJ000301_02.0404.C9.p1.np	binding(not_available) keyword:dna-
21826	OJ000301_02.0404.C9.p2.np	binding(not_available) keyword:dna-
21827	OJ000307_27.0419.C22.p5.np	binding(not_available) keyword:dna-
21828	OJ000310_39.0424.C39.p1.np	binding(not_available) keyword:dna-

21829	OJ000314_36.0419.C6.p5.np	binding(not_available) keyword:dna-
21830	OJ000315_27.0419.C7.p1.np	binding(not_available) keyword:dna-
21831	OJ000316_18.0412.C4.p1.np	binding(not_available) keyword:dna-
21832	OJ000320_40.0413.C12.p2.np	binding(not_available) keyword:dna-
21833	OJ000321_19.0419.C15.p1.np	binding(not_available) keyword:dna-
21834	OJ000321_19.0419.C8.p1.np	binding(not_available) keyword:dna-
21835	OJ000321_27.0419.C21.p1.np	binding(not_available) keyword:dna-
21836	OJ000321_33.0424.C4.p1.np	binding(not_available) keyword:dna-
21837	OJ000322_07.0419.C16.p3.np	binding(not_available) keyword:dna-
21838	OJ000323_08.0419.C6.p7.np	binding(not_available) keyword:dna-
21839	OJ000324_18.0420.C5.p4.np	binding(not_available) keyword:dna-
21840	OJ000330_10.0420.C12.p1.np	binding(not_available) keyword:dna-
21841	OJ000331_05.0419.C19.p1.np	binding(not_available) keyword:dna-
21842	OJ000350_00.0328.C17.p2.np	binding(not_available) keyword:dna-
21843	OJ000350_72.0403.C19.p1.np	binding(not_available) keyword:dna-
21844	OJ000403_18.0419.C4.p2.np	binding(not_available) keyword:dna-
21845	OJ000404_07.0421.C7.p1.np	binding(not_available) keyword:dna-
21846	OJ000450_03.0419.C31.p1.np	binding(not_available) keyword:dna-
21847	OJ990222_08.0420.C58.p1.np	binding(not_available) keyword:dna-
21848	OJ990222_08.9819.C18.p1.np	binding(not_available) keyword:dna-
21849	OJ990222_08.9819.C22.p1.np	binding(not_available) keyword:dna-
21850	OJ990304_02.9B12.C5.p1.np	binding(not_available) keyword:dna-
21851	OJ990304_02.9B12.C6.p1.np	binding(not_available) keyword:dna-
21852	OJ990323_01.0420.C17.p1.np	binding(not_available) keyword:dna-
21853	OJ990323_01.0420.C18.p1.np	binding(not_available) keyword:dna-
21854	OJ990323_01.0420.C40.p1.np	binding(not_available) keyword:dna-
21855	OJ990330_16.9923.C3.p1.np	binding(not_available) keyword:dna-

21856	OJ990405_10.9819.C23.p1.np	binding(not_available) keyword:dna-
21857	OJ990408_08.9B12.C43.p1.np	binding(not_available) keyword:dna-
21858	OJ990428_01.9924.C19.p1.np	binding(not_available) keyword:dna-
21859	OJ990723_10.9C01.C3.p5.np	binding(not_available) keyword:dna-
21860	OJ990808_37.0103.C16.p2.np	binding(not_available) keyword:dna-
21861	OJ990817_12.0103.C5.p1.np	binding(not_available) keyword:dna-
21862	OJ990820_03.9921.C59.p1.np	binding(not_available) keyword:dna-
21863	OJ990830_08.9C13.C6.p1.np	binding(not_available) keyword:dna-
21864	OJ991110_05.0307.C17.p1.np	binding(not_available) keyword:dna-
21865	OJ991121_46.9C13.C13.p1.np	binding(not_available) keyword:dna-
21866	OJ991202_08.0421.C36.p1.np	binding(not_available) keyword:dna-
21867	OJ991202_08.9C30.C35.p6.np	binding(not_available) keyword:dna-
21868	OJ991215_13.0419.C62.p1.np	binding(not_available) keyword:dna-
21869	OJ991226_43.0315.C11.p1.np	binding(not_available) keyword:dna-
21870	OJ000250_23.0208.C5.p1.np	binding(not_available) keyword:enbp(not_available)
21871	OJ000250_23.0303.C2.p1.np	binding(not_available) keyword:enbp(not_available)
21872	OJ990528_06.9C03.C47.p1.np	binding(not_available) keyword:helix-loop- helix(not_available),keyword:dna-
21873	OJ990528_06.9C03.C50.p1.np	binding(not_available) keyword:helix-loop- helix(not_available),keyword:dna-
21874	OJ000108_39.0308.C22.p2.np	binding(not_available) keyword:homeobox(not_availabl e)
21875	OJ000108_39.0426.C22.p2.np	binding(not_available) keyword:homeobox(not_availabl e)
21876	OJ000121_08.0306.C11.p1.np	binding(not_available) keyword:homeobox(not_availabl e)
21877	OJ000208_25.0419.C14.p1.np	binding(not_available) keyword:homeobox(not_availabl e)
21878	OJ000250_36.0222.C24.p8.np	binding(not_available) keyword:homeobox(not_availabl e)
21879	OJ000314_08.0414.C6.p1.np	binding(not_available) keyword:homeobox(not_availabl e)
21880	OJ000315_30.0419.C3.p1.np	binding(not_available) keyword:homeobox(not_availabl e)
21881	OJ000350_05.0410.C11.p7.np	binding(not_available) keyword:homeobox(not_availabl e)
21882	OJ000350_30.0314.C10.p2.np	binding(not_available) keyword:homeobox(not_availabl

21883	OJ990105_06.9819.C14.p1.np	e) keyword:homeobox(not_availabl
21884	OJ990619_51.9920.C8.p1.np	e) keyword:homeobox(not_availabl
21885	OJ990625_01.9921.C9.p1.np	e) keyword:homeobox(not_availabl
21886	OJ990715_11.0419.C22.p1.np	e) keyword:homeobox(not_availabl
21887	OJ990730_06.9921.C20.p1.np	e) keyword:homeobox(not_availabl
21888	OJ991113_34.9C27.C7.p1.np	e) keyword:homeobox(not_availabl
21889	OJ991117_07.0104.C8.p1.np	e) keyword:homeobox(not_availabl
21890	OJ000113_04.0302.C8.p1.np	e) keyword:homeobox(not_availabl
21891	OJ000113_04.0426.C8.p1.np	e),keyword:Leucine- zipper(not_available)
21892	OJ990822_42.0419.C22.p1.np	keyword:homeobox(not_availabl
21893	OJ000217_01.0308.C6.p3.np	e),keyword:Leucine- zipper(not_available)
21894	OJ990315_09.0128.C21.p1.np	keyword:homeobox(not_availabl
21895	OJ990315_09.0421.C20.p1.np	e),keyword:homeodomain(not_av
21896	OJ990602_12.0421.C6.p2.np	ailable),keyword:KNOX(not_ava
21897	OJ990823_02.9B15.C14.p1.np	ilable) keyword:homeodomain(not_avail
21898	OJ990315_09.0128.C12.p1.np	able) keyword:homeodomain(not_avail
21899	OJ990315_09.0421.C12.p1.np	able),keyword:Leucine- zipper(not_available)
21900	OJ990630_12.9C03.C9.p1.np	keyword:homeodomain(not_avail
21901	OJ990712_06.9922.C13.p1.np	able),keyword:Leucine- zipper(not_available)
21902	OJ000126_02.0303.C19.p1.np	keyword:homeodomain(not_avail
21903	OJ000223_06.0316.C6.p1.np	able),keyword:Leucine- zipper(not_available)
21904	OJ000224_03.0404.C7.p1.np	keyword:mads(not_available)
21905	OJ000250_82.0320.C7.p1.np	keyword:mads(not_available)
21906	OJ000251_34.0303.C32.p2.np	keyword:mads(not_available)
21907	OJ000330_21.0419.C2.p1.np	keyword:mads(not_available)

21908	OJ990602_04.0103.C56.p1.np	keyword:mads(not_available)
21909	OJ990823_06.9B03.C1.p1.np	keyword:mads(not_available)
21910	OJ000216_03.0330.C49.p1.np	keyword:myb(not_available)
21911	OJ000221_20.0314.C8.p1.np	keyword:myb(not_available)
21912	OJ000224_07.0419.C25.p1.np	keyword:myb(not_available)
21913	OJ000301_10.0323.C3.p2.np	keyword:myb(not_available)
21914	OJ000301_20.0330.C26.p2.np	keyword:myb(not_available)
21915	OJ000310_38.0425.C29.p2.np	keyword:myb(not_available)
21916	OJ000313_29.0419.C9.p1.np	keyword:myb(not_available)
21917	OJ000313_32.0419.C24.p5.np	keyword:myb(not_available)
21918	OJ000314_09.0405.C18.p1.np	keyword:myb(not_available)
21919	OJ000321_28.0424.C19.p1.np	keyword:myb(not_available)
21920	OJ000324_01.0424.C50.p1.np	keyword:myb(not_available)
21921	OJ000327_31.0414.C4.p1.np	keyword:myb(not_available)
21922	OJ000331_10.0419.C8.p1.np	keyword:myb(not_available)
21923	OJ000350_05.0410.C3.p1.np	keyword:myb(not_available)
21924	OJ000403_26.0419.C22.p1.np	keyword:myb(not_available)
21925	OJ990205_04.9819.C5.p1.np	keyword:myb(not_available)
21926	OJ990308_04.9819.C10.p2.np	keyword:myb(not_available)
21927	OJ990406_07.9C10.C18.p4.np	keyword:myb(not_available)
21928	OJ990416_01.9C03.C41.p2.np	keyword:myb(not_available)
21929	OJ990416_01.9C03.C51.p1.np	keyword:myb(not_available)
21930	OJ990426_01.9924.C16.p1.np	keyword:myb(not_available)
21931	OJ990513_07.9A21.C29.p1.np	keyword:myb(not_available)
21932	OJ990626_46.9C10.C2.p3.np	keyword:myb(not_available)
21933	OJ990708_13.9C23.C8.p1.np	keyword:myb(not_available)
21934	OJ990720_12.0419.C22.p1.np	keyword:myb(not_available)
21935	OJ990721_12.0210.C30.p1.np	keyword:myb(not_available)
21936	OJ990730_14.0419.C27.p1.np	keyword:myb(not_available)
21937	OJ990810_03.0203.C40.p1.np	keyword:myb(not_available)
21938	OJ990810_08.0103.C15.p1.np	keyword:myb(not_available)
21939	OJ990826_14.9B15.C11.p1.np	keyword:myb(not_available)
21940	OJ990903_09.9B04.C1.p1.np	keyword:myb(not_available)
21941	OJ990913_14.9B19.C10.p2.np	keyword:myb(not_available)
21942	OJ990923_12.9C01.C7.p1.np	keyword:myb(not_available)
21943	OJ990930_16.9B05.C22.p3.np	keyword:myb(not_available)
21944	OJ990930_19.9B12.C17.p3.np	keyword:myb(not_available)
21945	OJ991026_15.0218.C7.p1.np	keyword:myb(not_available)
21946	OJ991109_01.0410.C20.p1.np	keyword:myb(not_available)
21947	OJ991115_09.0421.C8.p2.np	keyword:myb(not_available)
21948	OJ991115_09.9C22.C8.p2.np	keyword:myb(not_available)
21949	OJ991116_05.0330.C4.p1.np	keyword:myb(not_available)
21950	OJ991206_18.0131.C18.p1.np	keyword:myb(not_available)
21951	OJ991210_10.0110.C8.p2.np	keyword:myb(not_available)
21952	OJ991215_14.0211.C2.p1.np	keyword:myb(not_available)
21953	OJ991216_03.0419.C14.p1.np	keyword:myb(not_available)
21954	OJ000113_01.0331.C11.p1.np	keyword:myb(not_available),key word:dna-binding(not_available)
21955	OJ000113_01.0426.C11.p1.np	keyword:myb(not_available),key word:dna-binding(not_available)
21956	OJ000301_13.0330.C21.p3.np	keyword:myb(not_available),key word:dna-binding(not_available)
21957	OJ991206_18.0131.C12.p3.np	keyword:myb(not_available),key word:dna-binding(not_available)

21958	OJ000107_03.0207.C6.p1.np	keyword:scarecrow(not_available)
21959	OJ000114_11.0217.C1.p1.np	keyword:scarecrow(not_available)
21960	OJ000322_17.0419.C17.p1.np	keyword:scarecrow(not_available)
21961	OJ000324_20.0419.C20.p1.np	keyword:scarecrow(not_available)
21962	OJ990414_06.9C10.C5.p1.np	keyword:scarecrow(not_available)
21963	OJ990419_07.9923.C7.p1.np	keyword:scarecrow(not_available)
21964	OJ990505_03.0420.C90.p1.np	keyword:scarecrow(not_available)
21965	OJ990505_03.9921.C15.p1.np	keyword:scarecrow(not_available)
21966	OJ000105_11.0214.C3.p1.np	keyword:transcription(not_availa ble)
21967	OJ000107_04.0210.C10.p1.np	keyword:transcription(not_availa ble)
21968	OJ000107_04.0426.C10.p1.np	keyword:transcription(not_availa ble)
21969	OJ000111_01.0225.C5.p1.np	keyword:transcription(not_availa ble)
21970	OJ000111_01.0426.C5.p1.np	keyword:transcription(not_availa ble)
21971	OJ000111_03.0303.C10.p2.np	keyword:transcription(not_availa ble)
21972	OJ000111_03.0426.C10.p2.np	keyword:transcription(not_availa ble)
21973	OJ000111_08.0323.C8.p1.np	keyword:transcription(not_availa ble)
21974	OJ000111_08.0426.C8.p1.np	keyword:transcription(not_availa ble)
21975	OJ000111_10.0313.C18.p2.np	keyword:transcription(not_availa ble)
21976	OJ000111_10.0426.C18.p2.np	keyword:transcription(not_availa ble)
21977	OJ000111_11.0426.C8.p6.np	keyword:transcription(not_availa ble)
21978	OJ000114_22.0419.C75.p1.np	keyword:transcription(not_availa ble)
21979	OJ000117_20.0222.C27.p2.np	keyword:transcription(not_availa ble)
21980	OJ000121_07.0222.C18.p1.np	keyword:transcription(not_availa ble)
21981	OJ000130_33.0417.C20.p3.np	keyword:transcription(not_availa ble)
21982	OJ000150_20.0124.C11.p1.np	keyword:transcription(not_availa ble)
21983	OJ000204_09.0306.C10.p1.np	keyword:transcription(not_availa ble)
21984	OJ000204_09.0306.C5.p1.np	keyword:transcription(not_availa ble)

21985	OJ000208_10.0331.C21.p3.np	keyword:transcription(not_availa ble)
21986	OJ000208_10.0331.C23.p1.np	keyword:transcription(not_availa ble)
21987	OJ000208_10.0331.C4.p1.np	keyword:transcription(not_availa ble)
21988	OJ000208_18.0417.C19.p4.np	keyword:transcription(not_availa ble)
21989	OJ000209_04.0317.C15.p2.np	keyword:transcription(not_availa ble)
21990	OJ000223_15.0419.C31.p1.np	keyword:transcription(not_availa ble)
21991	OJ000223_15.0419.C38.p1.np	keyword:transcription(not_availa ble)
21992	OJ000223_19.0403.C15.p1.np	keyword:transcription(not_availa ble)
21993	OJ000223_22.0320.C7.p2.np	keyword:transcription(not_availa ble)
21994	OJ000250_51.0211.C2.p2.np	keyword:transcription(not_availa ble)
21995	OJ000251_14.0225.C2.p1.np	keyword:transcription(not_availa ble)
21996	OJ000251_24.0218.C5.p2.np	keyword:transcription(not_availa ble)
21997	OJ000251_33.0331.C25.p4.np	keyword:transcription(not_availa ble)
21998	OJ000251_33.0331.C26.p1.np	keyword:transcription(not_availa ble)
21999	OJ000251_33.0331.C36.p2.np	keyword:transcription(not_availa ble)
22000	OJ000251_48.0228.C33.p7.np	keyword:transcription(not_availa ble)
22001	OJ000251_48.0228.C5.p1.np	keyword:transcription(not_availa ble)
22002	OJ000301_06.0419.C7.p3.np	keyword:transcription(not_availa ble)
22003	OJ000301_13.0330.C15.p1.np	keyword:transcription(not_availa ble)
22004	OJ000301_25.0410.C7.p3.np	keyword:transcription(not_availa ble)
22005	OJ000302_10.0418.C13.p1.np	keyword:transcription(not_availa ble)
22006	OJ000303_15.0419.C10.p1.np	keyword:transcription(not_availa ble)
22007	OJ000306_09.0407.C12.p2.np	keyword:transcription(not_availa ble)
22008	OJ000306_09.0407.C12.p3.np	keyword:transcription(not_availa ble)
22009	OJ000307_02.0330.C16.p2.np	keyword:transcription(not_availa ble)
22010	OJ000307_24.0414.C16.p1.np	keyword:transcription(not_availa ble)
22011	OJ000307_24.0414.C19.p3.np	keyword:transcription(not_availa ble)

22012	OJ000307_25.0419.C47.p1.np	keyword:transcription(not_ava ble)
22013	OJ000315_05.0411.C8.p1.np	keyword:transcription(not_ava ble)
22014	OJ000315_07.0420.C57.p1.np	keyword:transcription(not_ava ble)
22015	OJ000315_07.0420.C60.p1.np	keyword:transcription(not_ava ble)
22016	OJ000315_22.0413.C9.p1.np	keyword:transcription(not_ava ble)
22017	OJ000315_22.0420.C9.p1.np	keyword:transcription(not_ava ble)
22018	OJ000316_01.0413.C2.p2.np	keyword:transcription(not_ava ble)
22019	OJ000316_01.0413.C2.p3.np	keyword:transcription(not_ava ble)
22020	OJ000320_19.0419.C45.p1.np	keyword:transcription(not_ava ble)
22021	OJ000320_24.0411.C7.p6.np	keyword:transcription(not_ava ble)
22022	OJ000321_11.0419.C21.p1.np	keyword:transcription(not_ava ble)
22023	OJ000321_18.0413.C16.p1.np	keyword:transcription(not_ava ble)
22024	OJ000321_32.0410.C3.p1.np	keyword:transcription(not_ava ble)
22025	OJ000322_05.0419.C32.p1.np	keyword:transcription(not_ava ble)
22026	OJ000322_05.0419.C36.p1.np	keyword:transcription(not_ava ble)
22027	OJ000322_12.0424.C50.p1.np	keyword:transcription(not_ava ble)
22028	OJ000323_03.0419.C3.p1.np	keyword:transcription(not_ava ble)
22029	OJ000323_12.0419.C28.p1.np	keyword:transcription(not_ava ble)
22030	OJ000323_15.0419.C11.p3.np	keyword:transcription(not_ava ble)
22031	OJ000323_16.0421.C64.p1.np	keyword:transcription(not_ava ble)
22032	OJ000324_01.0424.C37.p1.np	keyword:transcription(not_ava ble)
22033	OJ000324_06.0420.C27.p1.np	keyword:transcription(not_ava ble)
22034	OJ000324_06.0420.C4.p1.np	keyword:transcription(not_ava ble)
22035	OJ000324_13.0424.C16.p1.np	keyword:transcription(not_ava ble)
22036	OJ000324_13.0424.C7.p2.np	keyword:transcription(not_ava ble)
22037	OJ000324_35.0424.C14.p2.np	keyword:transcription(not_ava ble)
22038	OJ000327_05.0419.C4.p4.np	keyword:transcription(not_ava ble)

22039	OJ000327_27.0417.C11.p1.np	keyword:transcription(not_ava ble)
22040	OJ000327_27.0417.C2.p1.np	keyword:transcription(not_ava ble)
22041	OJ000327_27.0417.C6.p1.np	keyword:transcription(not_ava ble)
22042	OJ000328_03.0419.C13.p5.np	keyword:transcription(not_ava ble)
22043	OJ000330_03.0419.C44.p1.np	keyword:transcription(not_ava ble)
22044	OJ000330_05.0419.C19.p1.np	keyword:transcription(not_ava ble)
22045	OJ000330_05.0419.C57.p1.np	keyword:transcription(not_ava ble)
22046	OJ000330_24.0419.C9.p1.np	keyword:transcription(not_ava ble)
22047	OJ000331_13.0420.C1.p1.np	keyword:transcription(not_ava ble)
22048	OJ000331_13.0420.C2.p1.np	keyword:transcription(not_ava ble)
22049	OJ000331_24.0424.C22.p2.np	keyword:transcription(not_ava ble)
22050	OJ000331_28.0419.C22.p2.np	keyword:transcription(not_ava ble)
22051	OJ000350_15.0322.C2.p1.np	keyword:transcription(not_ava ble)
22052	OJ000350_66.0407.C36.p3.np	keyword:transcription(not_ava ble)
22053	OJ000450_04.0410.C6.p1.np	keyword:transcription(not_ava ble)
22054	OJ000450_05.0419.C4.p1.np	keyword:transcription(not_ava ble)
22055	OJ990212_06.9819.C20.p1.np	keyword:transcription(not_ava ble)
22056	OJ990311_09.9819.C15.p2.np	keyword:transcription(not_ava ble)
22057	OJ990311_09.9819.C15.p8.np	keyword:transcription(not_ava ble)
22058	OJ990312_01.9A01.C10.p2.np	keyword:transcription(not_ava ble)
22059	OJ990312_01.9A01.C22.p2.np	keyword:transcription(not_ava ble)
22060	OJ990318_03.9A03.C45.p1.np	keyword:transcription(not_ava ble)
22061	OJ990318_03.9A03.C56.p1.np	keyword:transcription(not_ava ble)
22062	OJ990318_06.0228.C75.p1.np	keyword:transcription(not_ava ble)
22063	OJ990318_08.9C23.C42.p1.np	keyword:transcription(not_ava ble)
22064	OJ990318_08.9C23.C89.p4.np	keyword:transcription(not_ava ble)
22065	OJ990318_16.9819.C5.p1.np	keyword:transcription(not_ava ble)

22066	OJ990323_14.9A18.C5.p1.np	keyword:transcription(not_availa ble)
22067	OJ990323_17.9819.C6.p1.np	keyword:transcription(not_availa ble)
22068	OJ990323_22.9819.C5.p2.np	keyword:transcription(not_availa ble)
22069	OJ990323_22.9819.C6.p1.np	keyword:transcription(not_availa ble)
22070	OJ990324_05.9C23.C12.p2.np	keyword:transcription(not_availa ble)
22071	OJ990326_08.9C10.C32.p1.np	keyword:transcription(not_availa ble)
22072	OJ990330_04.9B22.C13.p1.np	keyword:transcription(not_availa ble)
22073	OJ990330_04.9B22.C14.p1.np	keyword:transcription(not_availa ble)
22074	OJ990330_15.9923.C9.p2.np	keyword:transcription(not_availa ble)
22075	OJ990330_16.9923.C8.p4.np	keyword:transcription(not_availa ble)
22076	OJ990330_19.9819.C9.p3.np	keyword:transcription(not_availa ble)
22077	OJ990407_03.0420.C53.p1.np	keyword:transcription(not_availa ble)
22078	OJ990407_11.9922.C14.p3.np	keyword:transcription(not_availa ble)
22079	OJ990407_11.9922.C20.p1.np	keyword:transcription(not_availa ble)
22080	OJ990408_10.9819.C26.p1.np	keyword:transcription(not_availa ble)
22081	OJ990409_05.0419.C29.p2.np	keyword:transcription(not_availa ble)
22082	OJ990414_10.9819.C20.p1.np	keyword:transcription(not_availa ble)
22083	OJ990415_09.9819.C21.p1.np	keyword:transcription(not_availa ble)
22084	OJ990415_09.9819.C21.p4.np	keyword:transcription(not_availa ble)
22085	OJ990415_11.9A07.C14.p10.np	keyword:transcription(not_availa ble)
22086	OJ990419_11.9923.C2.p7.np	keyword:transcription(not_availa ble)
22087	OJ990421_07.9923.C2.p1.np	keyword:transcription(not_availa ble)
22088	OJ990423_08.9924.C12.p1.np	keyword:transcription(not_availa ble)
22089	OJ990426_25.9819.C10.p1.np	keyword:transcription(not_availa ble)
22090	OJ990427_01.9A14.C15.p1.np	keyword:transcription(not_availa ble)
22091	OJ990428_06.9A08.C26.p2.np	keyword:transcription(not_availa ble)
22092	OJ990428_28.9A08.C2.p2.np	keyword:transcription(not_availa ble)

22093	OJ990429_02.0419.C335.p1.np	keyword:transcription(not_ava ble)
22094	OJ990429_02.0419.C426.p1.np	keyword:transcription(not_ava ble)
22095	OJ990429_23.9924.C19.p2.np	keyword:transcription(not_ava ble)
22096	OJ990429_23.9924.C7.p2.np	keyword:transcription(not_ava ble)
22097	OJ990430_09.9924.C7.p1.np	keyword:transcription(not_ava ble)
22098	OJ990430_33.9924.C7.p2.np	keyword:transcription(not_ava ble)
22099	OJ990502_29.9924.C3.p1.np	keyword:transcription(not_ava ble)
22100	OJ990503_03.9A01.C26.p1.np	keyword:transcription(not_ava ble)
22101	OJ990503_03.9A01.C35.p1.np	keyword:transcription(not_ava ble)
22102	OJ990504_06.9C17.C57.p2.np	keyword:transcription(not_ava ble)
22103	OJ990517_13.9A08.C2.p2.np	keyword:transcription(not_ava ble)
22104	OJ990517_24.9A01.C2.p2.np	keyword:transcription(not_ava ble)
22105	OJ990520_06.0103.C104.p6.np	keyword:transcription(not_ava ble)
22106	OJ990520_06.0103.C105.p1.np	keyword:transcription(not_ava ble)
22107	OJ990520_06.0103.C27.p2.np	keyword:transcription(not_ava ble)
22108	OJ990520_13.9922.C16.p1.np	keyword:transcription(not_ava ble)
22109	OJ990520_13.9922.C4.p3.np	keyword:transcription(not_ava ble)
22110	OJ990520_30.9922.C7.p3.np	keyword:transcription(not_ava ble)
22111	OJ990520_31.9819.C4.p2.np	keyword:transcription(not_ava ble)
22112	OJ990525_14.9C03.C9.p16.np	keyword:transcription(not_ava ble)
22113	OJ990525_14.9C03.C9.p17.np	keyword:transcription(not_ava ble)
22114	OJ990526_06.0419.C63.p1.np	keyword:transcription(not_ava ble)
22115	OJ990526_06.0419.C75.p1.np	keyword:transcription(not_ava ble)
22116	OJ990527_24.9A20.C6.p2.np	keyword:transcription(not_ava ble)
22117	OJ990527_26.9C10.C36.p1.np	keyword:transcription(not_ava ble)
22118	OJ990527_26.9C10.C37.p1.np	keyword:transcription(not_ava ble)
22119	OJ990527_26.9C10.C9.p4.np	keyword:transcription(not_ava ble)

22120	OJ990527_27.9B15.C2.p1.np	keyword:transcription(not_ava ble)
22121	OJ990527_36.9922.C5.p9.np	keyword:transcription(not_ava ble)
22122	OJ990612_37.0317.C4.p1.np	keyword:transcription(not_ava ble)
22123	OJ990612_37.9819.C4.p1.np	keyword:transcription(not_ava ble)
22124	OJ990615_10.0419.C115.p1.np	keyword:transcription(not_ava ble)
22125	OJ990616_04.9C17.C7.p1.np	keyword:transcription(not_ava ble)
22126	OJ990616_06.9C10.C39.p1.np	keyword:transcription(not_ava ble)
22127	OJ990616_06.9C10.C40.p2.np	keyword:transcription(not_ava ble)
22128	OJ990616_10.0419.C133.p1.np	keyword:transcription(not_ava ble)
22129	OJ990617_02.9B01.C11.p1.np	keyword:transcription(not_ava ble)
22130	OJ990617_02.9B01.C62.p1.np	keyword:transcription(not_ava ble)
22131	OJ990617_02.9B01.C93.p1.np	keyword:transcription(not_ava ble)
22132	OJ990618_07.9C01.C9.p2.np	keyword:transcription(not_ava ble)
22133	OJ990619_31.9922.C10.p4.np	keyword:transcription(not_ava ble)
22134	OJ990619_33.9922.C8.p3.np	keyword:transcription(not_ava ble)
22135	OJ990619_42.9A26.C16.p1.np	keyword:transcription(not_ava ble)
22136	OJ990619_51.9920.C22.p1.np	keyword:transcription(not_ava ble)
22137	OJ990627_42.9B05.C12.p3.np	keyword:transcription(not_ava ble)
22138	OJ990630_07.9B22.C33.p1.np	keyword:transcription(not_ava ble)
22139	OJ990701_03.9919.C2.p1.np	keyword:transcription(not_ava ble)
22140	OJ990701_04.0103.C8.p1.np	keyword:transcription(not_ava ble)
22141	OJ990701_13.9B05.C7.p1.np	keyword:transcription(not_ava ble)
22142	OJ990705_39.9919.C8.p2.np	keyword:transcription(not_ava ble)
22143	OJ990705_39.9919.C9.p4.np	keyword:transcription(not_ava ble)
22144	OJ990712_08.9B12.C4.p2.np	keyword:transcription(not_ava ble)
22145	OJ990714_02.9C17.C11.p1.np	keyword:transcription(not_ava ble)
22146	OJ990716_08.9A20.C15.p3.np	keyword:transcription(not_ava ble)

22147	OJ990716_08.9A20.C9.p3.np	keyword:transcription(not_ava ble)
22148	OJ990720_10.9C17.C20.p1.np	keyword:transcription(not_ava ble)
22149	OJ990721_02.9B16.C3.p3.np	keyword:transcription(not_ava ble)
22150	OJ990721_12.0210.C23.p1.np	keyword:transcription(not_ava ble)
22151	OJ990726_11.9C03.C4.p1.np	keyword:transcription(not_ava ble)
22152	OJ990810_04.0303.C32.p1.np	keyword:transcription(not_ava ble)
22153	OJ990818_05.9C01.C14.p2.np	keyword:transcription(not_ava ble)
22154	OJ990818_05.9C01.C15.p1.np	keyword:transcription(not_ava ble)
22155	OJ990821_59.9C23.C11.p1.np	keyword:transcription(not_ava ble)
22156	OJ990823_07.9B10.C21.p1.np	keyword:transcription(not_ava ble)
22157	OJ990825_13.9B24.C39.p1.np	keyword:transcription(not_ava ble)
22158	OJ990826_04.9B03.C6.p1.np	keyword:transcription(not_ava ble)
22159	OJ990826_04.9B03.C6.p2.np	keyword:transcription(not_ava ble)
22160	OJ990915_03.9B04.C19.p3.np	keyword:transcription(not_ava ble)
22161	OJ990920_06.9B02.C27.p1.np	keyword:transcription(not_ava ble)
22162	OJ990920_16.0419.C24.p2.np	keyword:transcription(not_ava ble)
22163	OJ990920_16.0419.C25.p1.np	keyword:transcription(not_ava ble)
22164	OJ990920_18.9C06.C7.p1.np	keyword:transcription(not_ava ble)
22165	OJ990921_06.9C10.C1.p3.np	keyword:transcription(not_ava ble)
22166	OJ990922_02.9C17.C17.p2.np	keyword:transcription(not_ava ble)
22167	OJ990930_05.0421.C8.p1.np	keyword:transcription(not_ava ble)
22168	OJ991006_02.0113.C2.p4.np	keyword:transcription(not_ava ble)
22169	OJ991019_16.0118.C17.p1.np	keyword:transcription(not_ava ble)
22170	OJ991019_19.0306.C18.p1.np	keyword:transcription(not_ava ble)
22171	OJ991022_17.0225.C11.p1.np	keyword:transcription(not_ava ble)
22172	OJ991101_10.0225.C10.p1.np	keyword:transcription(not_ava ble)
22173	OJ991102_13.0120.C9.p7.np	keyword:transcription(not_ava ble)

22174	OJ991103_02.0126.C1.p1.np	keyword:transcription(not_availe)
22175	OJ991109_03.0218.C5.p5.np	keyword:transcription(not_availe)
22176	OJ991109_03.0218.C6.p1.np	keyword:transcription(not_availe)
22177	OJ991112_03.0119.C20.p1.np	keyword:transcription(not_availe)
22178	OJ991113_35.0112.C2.p7.np	keyword:transcription(not_availe)
22179	OJ991113_45.0419.C30.p1.np	keyword:transcription(not_availe)
22180	OJ991114_36.0128.C8.p1.np	keyword:transcription(not_availe)
22181	OJ991114_46.0419.C13.p1.np	keyword:transcription(not_availe)
22182	OJ991116_07.0128.C8.p2.np	keyword:transcription(not_availe)
22183	OJ991116_09.0222.C11.p3.np	keyword:transcription(not_availe)
22184	OJ991116_09.0414.C12.p3.np	keyword:transcription(not_availe)
22185	OJ991116_10.0419.C12.p1.np	keyword:transcription(not_availe)
22186	OJ991117_12.0421.C2.p2.np	keyword:transcription(not_availe)
22187	OJ991117_16.0419.C7.p1.np	keyword:transcription(not_availe)
22188	OJ991121_36.0121.C29.p3.np	keyword:transcription(not_availe)
22189	OJ991202_08.9C30.C31.p1.np	keyword:transcription(not_availe)
22190	OJ991203_03.0128.C1.p16.np	keyword:transcription(not_availe)
22191	OJ991203_03.0128.C1.p2.np	keyword:transcription(not_availe)
22192	OJ991203_03.0128.C1.p8.np	keyword:transcription(not_availe)
22193	OJ991203_03.0128.C2.p4.np	keyword:transcription(not_availe)
22194	OJ991203_19.0126.C9.p2.np	keyword:transcription(not_availe)
22195	OJ991203_19.0421.C9.p2.np	keyword:transcription(not_availe)
22196	OJ991206_18.0131.C15.p1.np	keyword:transcription(not_availe)
22197	OJ991208_04.0128.C18.p1.np	keyword:transcription(not_availe)
22198	OJ991211_57.0228.C33.p6.np	keyword:transcription(not_availe)
22199	OJ991211_57.0228.C6.p1.np	keyword:transcription(not_availe)
22200	OJ991216_11.0113.C22.p2.np	keyword:transcription(not_availe)

22201	OJ991217_08.0202.C7.p2.np	keyword:transcription(not_available)
22202	OJ991226_35.0419.C13.p1.np	keyword:transcription(not_available)
22203	OJ991226_45.0419.C3.p3.np	keyword:transcription(not_available)
22204	OJ000229_09.0328.C13.p1.np	keyword:transcription(not_available),keyword:AT-hook(not_available)
22205	OJ000303_08.0404.C3.p2.np	keyword:transcription(not_available),keyword:AT-hook(not_available)
22206	OJ000310_09.0419.C37.p1.np	keyword:transcription(not_available),keyword:ap2(not_available)
22207	OJ990616_06.9C10.C56.p1.np	keyword:transcription(not_available),keyword:ap2(not_available)
22208	OJ990708_04.9A01.C13.p1.np	keyword:transcription(not_available),keyword:ap2(not_available)
22209	OJ000111_20.0215.C4.p3.np	keyword:transcription(not_available),keyword:bzip(not_available)
22210	OJ000111_20.0426.C4.p3.np	keyword:transcription(not_available),keyword:bzip(not_available)
22211	OJ000119_08.0302.C4.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22212	OJ000209_22.0228.C8.p2.np	keyword:transcription(not_available),keyword:bzip(not_available)
22213	OJ000323_34.0412.C22.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22214	OJ000323_34.0420.C6.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22215	OJ000330_03.0419.C32.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22216	OJ000331_13.0420.C6.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22217	OJ000350_34.0310.C14.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22218	OJ000350_34.0310.C40.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22219	OJ000350_34.0310.C8.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22220	OJ990518_08.9C03.C1.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22221	OJ990804_14.9B12.C25.p2.np	keyword:transcription(not_available),keyword:bzip(not_available)
22222	OJ990810_15.0216.C30.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22223	OJ990810_15.0216.C37.p3.np	keyword:transcription(not_available),keyword:bzip(not_available)
22224	OJ990810_16.0310.C26.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22225	OJ990810_16.0310.C29.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)
22226	OJ990810_16.0310.C59.p1.np	keyword:transcription(not_available),keyword:bzip(not_available)

22227	OJ990821_45.0103.C7.p2.np	keyword:transcription(not_ava ble),keyword:bzip(not_ava lable)
22228	OJ990907_11.0103.C3.p1.np	keyword:transcription(not_ava ble),keyword:bzip(not_ava lable)
22229	OJ000150_31.0124.C11.p1.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22230	OJ000150_31.0124.C16.p1.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22231	OJ990510_04.9919.C20.p2.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22232	OJ990923_18.9B12.C12.p2.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22233	OJ991208_14.0104.C20.p1.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22234	OJ991214_09.0112.C5.p2.np	keyword:transcription(not_ava ble),keyword:dna- binding(not_ava lable)
22235	OJ000208_05.0322.C24.p3.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22236	OJ000315_30.0419.C15.p1.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22237	OJ000330_03.0419.C51.p2.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22238	OJ000330_03.0419.C52.p1.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22239	OJ990526_09.9924.C10.p1.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22240	OJ990617_05.9924.C8.p1.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22241	OJ991217_13.0118.C1.p1.np	keyword:transcription(not_ava ble),keyword:homeodomain(not available)
22242	OJ990602_04.0103.C54.p1.np	keyword:transcription(not_ava ble),keyword:mads(not_ava lable))
22243	OJ990604_02.9A01.C31.p1.np	keyword:transcription(not_ava ble),keyword:mads(not_ava lable))
22244	OJ000315_38.0419.C29.p1.np	keyword:transcription(not_ava ble),keyword:myb(not_ava lable)
22245	OJ000403_26.0419.C22.p2.np	keyword:transcription(not_ava ble),keyword:myb(not_ava lable)
22246	OJ990324_01.0103.C38.p1.np	keyword:transcription(not_ava ble)

22247	OJ990602_03.0107.C7.p1.np	ble),keyword:myb(not_available) keyword:transcription(not_avai- ble),keyword:myb(not_available)
22248	OJ000214_08.0419.C20.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22249	OJ000323_38.0418.C26.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22250	OJ990520_01.9B12.C56.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22251	OJ990528_25.9B19.C9.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22252	OJ991121_41.0421.C6.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22253	OJ991121_41.9C28.C6.p1.np	keyword:transcription(not_avai- ble),keyword:myb(not_available) ,keyword:dna- binding(not_available)
22254	OJ990515_21.9922.C12.p1.np	keyword:transcription(not_avai- ble),keyword:zinc- finger(not_available)
22255	OJ990528_10.0419.C67.p1.np	keyword:transcription(not_avai- ble),keyword:zinc- finger(not_available)
22256	OJ991216_02.0218.C17.p1.np	keyword:transcription(not_avai- ble),keyword:zinc- finger(not_available)
22257	OJ991216_02.0218.C20.p1.np	keyword:transcription(not_avai- ble),keyword:zinc- finger(not_available)
22258	OJ000107_15.0222.C7.p1.np	keyword:zinc- finger(not_available)
22259	OJ000108_35.0406.C2.p1.np	keyword:zinc- finger(not_available)
22260	OJ000108_35.0426.C2.p1.np	keyword:zinc- finger(not_available)
22261	OJ000108_59.0310.C10.p1.np	keyword:zinc- finger(not_available)
22262	OJ000112_19.0225.C6.p3.np	keyword:zinc- finger(not_available)
22263	OJ000113_05.0222.C3.p2.np	keyword:zinc- finger(not_available)
22264	OJ000113_05.0426.C3.p2.np	keyword:zinc- finger(not_available)
22265	OJ000113_24.0203.C10.p3.np	keyword:zinc-

22266	OJ000114_24.0315.C4.p1.np	finger(not_available) keyword:zinc-
22267	OJ000118_04.0218.C10.p1.np	finger(not_available) keyword:zinc-
22268	OJ000118_20.0222.C20.p1.np	finger(not_available) keyword:zinc-
22269	OJ000118_23.0419.C11.p1.np	finger(not_available) keyword:zinc-
22270	OJ000122_43.0303.C6.p2.np	finger(not_available) keyword:zinc-
22271	OJ000150_15.0124.C9.p2.np	finger(not_available) keyword:zinc-
22272	OJ000207_21.0419.C26.p2.np	finger(not_available) keyword:zinc-
22273	OJ000208_25.0419.C37.p2.np	finger(not_available) keyword:zinc-
22274	OJ000210_12.0419.C6.p2.np	finger(not_available) keyword:zinc-
22275	OJ000214_25.0320.C24.p1.np	finger(not_available) keyword:zinc-
22276	OJ000223_06.0316.C3.p1.np	finger(not_available) keyword:zinc-
22277	OJ000250_10.0209.C2.p2.np	finger(not_available) keyword:zinc-
22278	OJ000250_28.0208.C8.p2.np	finger(not_available) keyword:zinc-
22279	OJ000251_11.0419.C8.p1.np	finger(not_available) keyword:zinc-
22280	OJ000301_06.0419.C17.p3.np	finger(not_available) keyword:zinc-
22281	OJ000301_23.0419.C25.p1.np	finger(not_available) keyword:zinc-
22282	OJ000301_23.0419.C26.p2.np	finger(not_available) keyword:zinc-
22283	OJ000302_26.0419.C44.p3.np	finger(not_available) keyword:zinc-
22284	OJ000310_28.0419.C8.p3.np	finger(not_available) keyword:zinc-
22285	OJ000314_28.0405.C7.p1.np	finger(not_available) keyword:zinc-
22286	OJ000314_28.0405.C8.p1.np	finger(not_available) keyword:zinc-
22287	OJ000315_06.0413.C5.p2.np	finger(not_available) keyword:zinc-
22288	OJ000315_06.0420.C4.p2.np	finger(not_available) keyword:zinc-
22289	OJ000315_38.0419.C7.p1.np	finger(not_available) keyword:zinc-
22290	OJ000316_06.0418.C27.p1.np	finger(not_available) keyword:zinc-
22291	OJ000316_29.0424.C49.p1.np	finger(not_available) keyword:zinc-
22292	OJ000323_25.0420.C16.p1.np	finger(not_available) keyword:zinc-

22293	OJ000328_01.0419.C29.p1.np	finger(not_available) keyword:zinc-
22294	OJ000330_17.0421.C5.p1.np	finger(not_available) keyword:zinc-
22295	OJ000331_01.0419.C17.p1.np	finger(not_available) keyword:zinc-
22296	OJ000331_04.0419.C52.p2.np	finger(not_available) keyword:zinc-
22297	OJ000350_13.0310.C31.p1.np	finger(not_available) keyword:zinc-
22298	OJ000350_34.0310.C7.p1.np	finger(not_available) keyword:zinc-
22299	OJ000350_68.0327.C17.p2.np	finger(not_available) keyword:zinc-
22300	OJ000403_02.0421.C3.p2.np	finger(not_available) keyword:zinc-
22301	OJ000404_31.0419.C32.p2.np	finger(not_available) keyword:zinc-
22302	OJ990317_03.9922.C25.p1.np	finger(not_available) keyword:zinc-
22303	OJ990318_08.9C23.C96.p1.np	finger(not_available) keyword:zinc-
22304	OJ990318_08.9C23.C97.p1.np	finger(not_available) keyword:zinc-
22305	OJ990323_12.0103.C116.p1.np	finger(not_available) keyword:zinc-
22306	OJ990323_14.9A18.C7.p1.np	finger(not_available) keyword:zinc-
22307	OJ990325_08.0419.C1.p1.np	finger(not_available) keyword:zinc-
22308	OJ990325_08.0419.C25.p1.np	finger(not_available) keyword:zinc-
22309	OJ990325_08.9524.C37.p1.np	finger(not_available) keyword:zinc-
22310	OJ990325_08.9524.C38.p1.np	finger(not_available) keyword:zinc-
22311	OJ990330_19.9819.C9.p4.np	finger(not_available) keyword:zinc-
22312	OJ990406_06.9819.C64.p1.np	finger(not_available) keyword:zinc-
22313	OJ990408_10.9819.C26.p2.np	finger(not_available) keyword:zinc-
22314	OJ990412_08.9923.C18.p1.np	finger(not_available) keyword:zinc-
22315	OJ990412_09.9923.C15.p1.np	finger(not_available) keyword:zinc-
22316	OJ990419_07.9923.C17.p1.np	finger(not_available) keyword:zinc-
22317	OJ990422_24.9924.C2.p2.np	finger(not_available) keyword:zinc-
22318	OJ990423_08.9924.C10.p1.np	finger(not_available) keyword:zinc-
22319	OJ990423_08.9924.C24.p1.np	finger(not_available) keyword:zinc-

22320	OJ990423_08.9924.C9.p1.np	finger(not_available) keyword:zinc-
22321	OJ990428_05.9819.C55.p2.np	finger(not_available) keyword:zinc-
22322	OJ990428_08.9924.C14.p1.np	finger(not_available) keyword:zinc-
22323	OJ990428_08.9924.C36.p2.np	finger(not_available) keyword:zinc-
22324	OJ990428_22.9924.C5.p2.np	finger(not_available) keyword:zinc-
22325	OJ990430_01.9C03.C68.p2.np	finger(not_available) keyword:zinc-
22326	OJ990504_02.9A01.C24.p2.np	finger(not_available) keyword:zinc-
22327	OJ990517_03.9C03.C27.p1.np	finger(not_available) keyword:zinc-
22328	OJ990517_24.9A01.C2.p1.np	finger(not_available) keyword:zinc-
22329	OJ990524_03.0103.C38.p1.np	finger(not_available) keyword:zinc-
22330	OJ990524_07.0128.C6.p1.np	finger(not_available) keyword:zinc-
22331	OJ990528_32.9922.C7.p1.np	finger(not_available) keyword:zinc-
22332	OJ990601_07.9B12.C14.p2.np	finger(not_available) keyword:zinc-
22333	OJ990601_07.9B12.C15.p1.np	finger(not_available) keyword:zinc-
22334	OJ990601_07.9B12.C37.p1.np	finger(not_available) keyword:zinc-
22335	OJ990602_02.0421.C16.p1.np	finger(not_available) keyword:zinc-
22336	OJ990602_02.0421.C29.p3.np	finger(not_available) keyword:zinc-
22337	OJ990602_02.9C20.C16.p1.np	finger(not_available) keyword:zinc-
22338	OJ990602_02.9C20.C35.p3.np	finger(not_available) keyword:zinc-
22339	OJ990602_02.9C20.C35.p4.np	finger(not_available) keyword:zinc-
22340	OJ990605_30.0419.C41.p1.np	finger(not_available) keyword:zinc-
22341	OJ990605_32.9C03.C4.p1.np	finger(not_available) keyword:zinc-
22342	OJ990612_32.9A01.C9.p2.np	finger(not_available) keyword:zinc-
22343	OJ990626_40.0211.C12.p2.np	finger(not_available) keyword:zinc-
22344	OJ990709_06.9927.C1.p1.np	finger(not_available) keyword:zinc-
22345	OJ990712_06.9922.C5.p2.np	finger(not_available) keyword:zinc-
22346	OJ990713_11.9B12.C12.p2.np	finger(not_available) keyword:zinc-

22347	OJ990808_31.0103.C20.p1.np	finger(not_available) keyword:zinc-
22348	OJ990808_35.9C09.C5.p5.np	finger(not_available) keyword:zinc-
22349	OJ990808_36.9C20.C5.p7.np	finger(not_available) keyword:zinc-
22350	OJ990808_39.0421.C12.p1.np	finger(not_available) keyword:zinc-
22351	OJ990808_39.0421.C9.p1.np	finger(not_available) keyword:zinc-
22352	OJ990808_39.9C20.C13.p1.np	finger(not_available) keyword:zinc-
22353	OJ990808_39.9C20.C9.p1.np	finger(not_available) keyword:zinc-
22354	OJ990808_42.0204.C17.p4.np	finger(not_available) keyword:zinc-
22355	OJ990808_47.9C20.C3.p7.np	finger(not_available) keyword:zinc-
22356	OJ990810_15.0216.C28.p1.np	finger(not_available) keyword:zinc-
22357	OJ990810_16.0310.C28.p1.np	finger(not_available) keyword:zinc-
22358	OJ990816_08.0419.C29.p1.np	finger(not_available) keyword:zinc-
22359	OJ990816_08.0419.C30.p1.np	finger(not_available) keyword:zinc-
22360	OJ990817_15.0419.C35.p1.np	finger(not_available) keyword:zinc-
22361	OJ990823_06.9B03.C8.p2.np	finger(not_available) keyword:zinc-
22362	OJ990823_15.9B09.C10.p1.np	finger(not_available) keyword:zinc-
22363	OJ990823_15.9B09.C11.p1.np	finger(not_available) keyword:zinc-
22364	OJ990823_15.9B09.C11.p2.np	finger(not_available) keyword:zinc-
22365	OJ990824_03.0105.C4.p1.np	finger(not_available) keyword:zinc-
22366	OJ990920_18.9C06.C25.p2.np	finger(not_available) keyword:zinc-
22367	OJ990923_03.9B10.C8.p1.np	finger(not_available) keyword:zinc-
22368	OJ990923_03.9B10.C8.p2.np	finger(not_available) keyword:zinc-
22369	OJ990930_04.9C01.C6.p1.np	finger(not_available) keyword:zinc-
22370	OJ991008_20.0419.C28.p1.np	finger(not_available) keyword:zinc-
22371	OJ991014_02.0110.C25.p1.np	finger(not_available) keyword:zinc-
22372	OJ991021_03.0413.C25.p3.np	finger(not_available) keyword:zinc-
22373	OJ991027_16.0118.C17.p2.np	finger(not_available) keyword:zinc-

22374	OJ991029_03.0127.C5.p4.np	finger(not_available) keyword:zinc-
22375	OJ991101_09.0131.C23.p1.np	finger(not_available) keyword:zinc-
22376	OJ991101_09.0131.C25.p1.np	finger(not_available) keyword:zinc-
22377	OJ991101_09.0131.C25.p2.np	finger(not_available) keyword:zinc-
22378	OJ991106_34.9C09.C6.p1.np	finger(not_available) keyword:zinc-
22379	OJ991107_38.9C13.C14.p1.np	finger(not_available) keyword:zinc-
22380	OJ991107_38.9C13.C4.p3.np	finger(not_available) keyword:zinc-
22381	OJ991107_38.9C13.C5.p1.np	finger(not_available) keyword:zinc-
22382	OJ991108_17.0417.C4.p1.np	finger(not_available) keyword:zinc-
22383	OJ991108_18.0331.C11.p4.np	finger(not_available) keyword:zinc-
22384	OJ991110_05.0307.C12.p3.np	finger(not_available) keyword:zinc-
22385	OJ991114_35.0419.C25.p1.np	finger(not_available) keyword:zinc-
22386	OJ991114_41.9C06.C6.p2.np	finger(not_available) keyword:zinc-
22387	OJ991114_41.9C06.C6.p5.np	finger(not_available) keyword:zinc-
22388	OJ991117_12.0421.C22.p1.np	finger(not_available) keyword:zinc-
22389	OJ991121_47.9C30.C11.p1.np	finger(not_available) keyword:zinc-
22390	OJ991122_11.0207.C8.p2.np	finger(not_available) keyword:zinc-
22391	OJ991208_08.0128.C5.p2.np	finger(not_available) keyword:zinc-
22392	OJ991209_08.0222.C4.p8.np	finger(not_available) keyword:zinc-
22393	OJ991216_07.0301.C8.p11.np	finger(not_available) keyword:zinc-
22394	OJ991216_07.0301.C9.p1.np	finger(not_available) keyword:zinc-
22395	OJ991217_19.0128.C4.p5.np	finger(not_available) keyword:zinc-
22396	OJ991225_70.0308.C19.p2.np	finger(not_available) keyword:zinc-
22397	OJ990601_02.9C17.C4.p2.np	finger(not_available),keyword:C
22398	OJ991208_04.0128.C14.p2.np	ONSTANS(not_available) keyword:zinc-
22399	OJ000107_15.0426.C7.p1.np	finger(not_available),keyword:C ONSTANS(not_available) keyword:zinc-

22400	OJ000118_04.0310.C9.p1.np	finger(not_available),keyword:zinc-finger(not_available)
22401	OJ000207_11.0306.C8.p1.np	keyword:zinc-finger(not_available),keyword:zinc-finger(not_available)
22402	OJ000214_22.0328.C2.p2.np	keyword:zinc-finger(not_available),keyword:zinc-finger(not_available)
22403	OJ991122_11.0317.C7.p2.np	keyword:zinc-finger(not_available),keyword:zinc-finger(not_available)
22404	OJ000102_56.0407.C45.p2.np	lim(HMM:4.1e-28)
22405	OJ000102_56.0426.C45.p2.np	lim(HMM:4.1e-28)
22406	OJ000251_42.0328.C11.p2.np	lim(HMM:3e-26)
22407	OJ000301_15.0330.C7.p1.np	lim(HMM:4.4e-33)
22408	OJ000307_05.0403.C12.p2.np	lim(HMM:7.1e-34)
22409	OJ000310_31.0425.C12.p1.np	lim(HMM:1.4e-16)
22410	OJ000320_39.0418.C4.p2.np	lim(HMM:6e-17)
22411	OJ000323_09.0424.C18.p1.np	lim(HMM:4.4e-33)
22412	OJ000450_09.0412.C2.p5.np	lim(HMM:7.1e-34)
22413	OJ990420_06.9923.C24.p1.np	lim(HMM:7.1e-34)
22414	OJ990503_01.9A29.C47.p2.np	lim(HMM:7.1e-34)
22415	OJ991011_05.0103.C7.p1.np	lim(HMM:4.4e-33)
22416	OJ991111_07.0330.C4.p8.np	lim(HMM:2.7),zf-c3hc4(HMM:3.6e-25)
22417	OJ000150_00.0124.C64.p1.np	linker_histone(HMM:3.3e-31)
22418	OJ000322_06.0424.C18.p2.np	linker_histone(HMM:5.1e-19)
22419	OJ990323_15.9A11.C4.p1.np	linker_histone(HMM:3.3e-31)
22420	OJ990515_23.9A07.C3.p2.np	linker_histone(HMM:4.9e-32)
22421	OJ990907_15.9C03.C5.p2.np	linker_histone(HMM:9.5e-24)
22422	OJ991115_07.0218.C7.p1.np	linker_histone(HMM:2.9e-20)
22423	OJ000102_56.0407.C45.p7.np	myb_dna-binding(HMM:0.00015)
22424	OJ000102_56.0426.C45.p7.np	myb_dna-binding(HMM:0.00015)
22425	OJ000108_30.0403.C40.p1.np	myb_dna-binding(HMM:5e-40)
22426	OJ000108_30.0403.C40.p2.np	myb_dna-binding(HMM:2.3)
22427	OJ000108_30.0426.C40.p1.np	myb_dna-binding(HMM:5e-40)
22428	OJ000108_30.0426.C40.p2.np	myb_dna-binding(HMM:2.3)
22429	OJ000110_04.0426.C9.p2.np	myb_dna-binding(HMM:0.0062)
22430	OJ000112_16.0202.C3.p1.np	myb_dna-binding(HMM:5e-41)
22431	OJ000112_16.0426.C3.p1.np	myb_dna-binding(HMM:5e-41)
22432	OJ000114_03.0320.C13.p1.np	myb_dna-binding(HMM:2e-40)
22433	OJ000114_03.0320.C13.p2.np	myb_dna-binding(HMM:2.3)
22434	OJ000117_03.0225.C6.p1.np	myb_dna-binding(HMM:2e-40)
22435	OJ000117_03.0225.C6.p2.np	myb_dna-binding(HMM:2.3)
22436	OJ000117_03.0317.C9.p1.np	myb_dna-binding(HMM:2e-40)
22437	OJ000118_13.0419.C5.p1.np	myb_dna-binding(HMM:2e-11)
22438	OJ000126_12.0229.C6.p3.np	myb_dna-binding(HMM:4.5e-36)
22439	OJ000150_17.0124.C39.p2.np	myb_dna-binding(HMM:7.4e-44)
22440	OJ000150_24.0124.C2.p2.np	myb_dna-binding(HMM:1.2e-46)

22441	OJ000207_08.0302.C14.p1.np	myb_dna-binding(HMM:0.0017)
22442	OJ000207_17.0306.C10.p1.np	myb_dna-binding(HMM:5.2e-38)
22443	OJ000207_17.0323.C8.p1.np	myb_dna-binding(HMM:5.2e-38)
22444	OJ000207_21.0419.C15.p1.np	myb_dna-binding(HMM:1.8e-06)
22445	OJ000209_08.0309.C18.p2.np	myb_dna-binding(HMM:1.4e-39)
22446	OJ000209_09.0301.C16.p1.np	myb_dna-binding(HMM:6.6e-17)
22447	OJ000209_09.0301.C7.p3.np	myb_dna-binding(HMM:1.2e-09)
22448	OJ000209_09.0323.C13.p1.np	myb_dna-binding(HMM:6.6e-17)
22449	OJ000209_13.0316.C5.p1.np	myb_dna-binding(HMM:3.3e-30)
22450	OJ000209_23.0320.C5.p3.np	myb_dna-binding(HMM:1.4e-39)
22451	OJ000210_18.0310.C13.p1.np	myb_dna-binding(HMM:4e-43)
22452	OJ000221_09.0419.C19.p1.np	myb_dna-binding(HMM:1.1e-56)
22453	OJ000222_08.0317.C5.p1.np	myb_dna-binding(HMM:3e-42)
22454	OJ000222_12.0404.C10.p1.np	myb_dna-binding(HMM:5.2e-30)
22455	OJ000229_14.0327.C16.p1.np	myb_dna-binding(HMM:1.9e-21)
22456	OJ000229_14.0327.C6.p1.np	myb_dna-binding(HMM:1.8e-43)
22457	OJ000229_23.0323.C13.p1.np	myb_dna-binding(HMM:2.9e-12)
22458	OJ000229_23.0323.C25.p2.np	myb_dna-binding(HMM:0.041)
22459	OJ000250_27.0208.C2.p1.np	myb_dna-binding(HMM:0.13)
22460	OJ000250_27.0208.C3.p1.np	myb_dna-binding(HMM:7.7e-23)
22461	OJ000250_27.0303.C17.p1.np	myb_dna-binding(HMM:7.4e-44)
22462	OJ000250_37.0210.C13.p1.np	myb_dna-binding(HMM:1.8e-38)
22463	OJ000250_40.0211.C23.p2.np	myb_dna-binding(HMM:9e-59)
22464	OJ000250_45.0211.C9.p1.np	myb_dna-binding(HMM:7.5e-14)
22465	OJ000250_46.0303.C2.p2.np	myb_dna-binding(HMM:5.9e-28)
22466	OJ000250_47.0215.C8.p3.np	myb_dna-binding(HMM:9.5)
22467	OJ000250_47.0303.C8.p3.np	myb_dna-binding(HMM:9.5)
22468	OJ000250_48.0211.C1.p2.np	myb_dna-binding(HMM:1.2e-46)
22469	OJ000250_89.0214.C6.p1.np	myb_dna-binding(HMM:4e-11)
22470	OJ000250_91.0405.C8.p1.np	myb_dna-binding(HMM:0.00072)
22471	OJ000251_42.0328.C13.p3.np	myb_dna-binding(HMM:0.00015)
22472	OJ000301_13.0330.C21.p5.np	myb_dna-binding(HMM:4.6e-14)
22473	OJ000301_13.0330.C21.p6.np	myb_dna-binding(HMM:9.1e-19)
22474	OJ000301_13.0330.C6.p1.np	myb_dna-binding(HMM:5.5e-37)
22475	OJ000302_04.0410.C11.p1.np	myb_dna-binding(HMM:8.4e-41)
22476	OJ000302_15.0331.C20.p1.np	myb_dna-binding(HMM:8.5e-18)
22477	OJ000303_15.0419.C22.p1.np	myb_dna-binding(HMM:5.5e-37)
22478	OJ000306_09.0407.C21.p1.np	myb_dna-binding(HMM:9.4e-11)
22479	OJ000313_29.0419.C8.p2.np	myb_dna-binding(HMM:2.8e-19)
22480	OJ000314_12.0418.C3.p2.np	myb_dna-binding(HMM:7e-43)
22481	OJ000314_35.0419.C13.p1.np	myb_dna-binding(HMM:1.5e-14)
22482	OJ000315_06.0413.C16.p1.np	myb_dna-binding(HMM:1.7e-26)
22483	OJ000315_06.0420.C18.p1.np	myb_dna-binding(HMM:1.7e-26)
22484	OJ000315_22.0413.C6.p2.np	myb_dna-binding(HMM:0.11)
22485	OJ000315_22.0420.C6.p2.np	myb_dna-binding(HMM:0.11)
22486	OJ000315_30.0419.C3.p2.np	myb_dna-binding(HMM:3e-37)
22487	OJ000315_40.0420.C11.p3.np	myb_dna-binding(HMM:3.5e-41)
22488	OJ000316_14.0419.C8.p1.np	myb_dna-binding(HMM:4.7e-37)
22489	OJ000316_33.0410.C24.p1.np	myb_dna-binding(HMM:0.00028)
22490	OJ000316_33.0410.C55.p1.np	myb_dna-binding(HMM:4.5e-06)
22491	OJ000320_11.0419.C19.p1.np	myb_dna-binding(HMM:3.5e-20)

22492	OJ000320_11.0419.C24.p1.np	myb_dna-binding(HMM:1.9e-40)
22493	OJ000320_14.0419.C18.p3.np	myb_dna-binding(HMM:3e-59)
22494	OJ000321_03.0417.C6.p1.np	myb_dna-binding(HMM:7.8e-44)
22495	OJ000321_03.0426.C4.p1.np	myb_dna-binding(HMM:7.8e-44)
22496	OJ000321_07.0419.C3.p1.np	myb_dna-binding(HMM:7e-43)
22497	OJ000321_15.0419.C23.p1.np	myb_dna-binding(HMM:1.2e-14)
22498	OJ000321_15.0419.C33.p1.np	myb_dna-binding(HMM:8.1e-33)
22499	OJ000321_23.0424.C32.p1.np	myb_dna-binding(HMM:2.7e-19)
22500	OJ000321_37.0419.C14.p1.np	myb_dna-binding(HMM:0.035)
22501	OJ000321_37.0419.C14.p2.np	myb_dna-binding(HMM:0.035)
22502	OJ000322_20.0419.C24.p1.np	myb_dna-binding(HMM:4.7e-32)
22503	OJ000323_30.0420.C9.p4.np	myb_dna-binding(HMM:2.8e-06)
22504	OJ000323_38.0418.C27.p1.np	myb_dna-binding(HMM:2e-06)
22505	OJ000324_03.0419.C5.p1.np	myb_dna-binding(HMM:2.3e-08)
22506	OJ000327_02.0418.C8.p1.np	myb_dna-binding(HMM:1.1e-37)
22507	OJ000330_31.0424.C25.p1.np	myb_dna-binding(HMM:7.6e-37)
22508	OJ000330_31.0424.C28.p1.np	myb_dna-binding(HMM:1.5e-32)
22509	OJ000330_36.0424.C6.p1.np	myb_dna-binding(HMM:2e-40)
22510	OJ000330_36.0424.C6.p2.np	myb_dna-binding(HMM:1.3)
22511	OJ000331_08.0419.C35.p1.np	myb_dna-binding(HMM:6.6e-26)
22512	OJ000350_22.0419.C6.p1.np	myb_dna-binding(HMM:1.8e-42)
22513	OJ000350_36.0314.C7.p4.np	myb_dna-binding(HMM:5.8e-41)
22514	OJ000350_37.0314.C11.p2.np	myb_dna-binding(HMM:1.1e-33)
22515	OJ000350_38.0313.C9.p1.np	myb_dna-binding(HMM:1e-05)
22516	OJ000350_39.0314.C2.p5.np	myb_dna-binding(HMM:3e-42)
22517	OJ000403_04.0421.C14.p1.np	myb_dna-binding(HMM:0.34)
22518	OJ000403_04.0421.C14.p2.np	myb_dna-binding(HMM:0.34)
22519	OJ000404_27.0421.C2.p1.np	myb_dna-binding(HMM:1.2e-42)
22520	OJ990105_08.9819.C26.p1.np	myb_dna-binding(HMM:0.001)
22521	OJ990201_04.9819.C8.p1.np	myb_dna-binding(HMM:4.5e-43)
22522	OJ990203_02.9819.C24.p4.np	myb_dna-binding(HMM:0.0034)
22523	OJ990203_06.9819.C1.p1.np	myb_dna-binding(HMM:8.8e-42)
22524	OJ990203_06.9819.C42.p1.np	myb_dna-binding(HMM:5.6e-07)
22525	OJ990304_02.9B12.C1.p2.np	myb_dna-binding(HMM:2.3e-39)
22526	OJ990310_04.9819.C14.p1.np	myb_dna-binding(HMM:4.4e-32)
22527	OJ990311_11.9819.C26.p1.np	myb_dna-binding(HMM:0.00072)
22528	OJ990312_09.9B12.C38.p1.np	myb_dna-binding(HMM:2e-40)
22529	OJ990319_07.9819.C49.p2.np	myb_dna-binding(HMM:6.8e-24)
22530	OJ990324_01.0103.C55.p2.np	myb_dna-binding(HMM:4.7e-42)
22531	OJ990330_16.9923.C9.p1.np	myb_dna-binding(HMM:4.1e-09)
22532	OJ990407_02.9923.C33.p1.np	myb_dna-binding(HMM:5.5e-37)
22533	OJ990407_03.0420.C71.p1.np	myb_dna-binding(HMM:2.1e-05)
22534	OJ990407_03.0420.C8.p2.np	myb_dna-binding(HMM:4.4e-40)
22535	OJ990407_03.9819.C5.p1.np	myb_dna-binding(HMM:5e-40)
22536	OJ990407_11.9922.C13.p3.np	myb_dna-binding(HMM:2e-14)
22537	OJ990415_02.0103.C3.p5.np	myb_dna-binding(HMM:4e-16)
22538	OJ990423_05.9C10.C14.p1.np	myb_dna-binding(HMM:1.9e-43)
22539	OJ990423_05.9C10.C38.p1.np	myb_dna-binding(HMM:5.4e-15)
22540	OJ990426_20.9924.C6.p1.np	myb_dna-binding(HMM:8.7e-20)
22541	OJ990430_26.9B12.C3.p3.np	myb_dna-binding(HMM:0.061)
22542	OJ990430_26.9B12.C3.p6.np	myb_dna-binding(HMM:0.34)
22543	OJ990430_26.9B12.C3.p7.np	myb_dna-binding(HMM:0.34)
22544	OJ990501_23.9C03.C1.p4.np	myb_dna-binding(HMM:1.5)

22545	OJ990502_23.9B12.C8.p5.np	myb_dna-binding(HMM:0.0034)
22546	OJ990503_05.9B12.C19.p2.np	myb_dna-binding(HMM:2e-11)
22547	OJ990503_28.9924.C2.p1.np	myb_dna-binding(HMM:0.0015)
22548	OJ990505_06.9A11.C25.p1.np	myb_dna-binding(HMM:0.00085)
22549	OJ990520_12.9A19.C2.p1.np	myb_dna-binding(HMM:1.1e-37)
22550	OJ990527_20.0419.C28.p1.np	myb_dna-binding(HMM:2.9e-12)
22551	OJ990527_23.9C10.C1.p3.np	myb_dna-binding(HMM:2.9e-32)
22552	OJ990527_23.9C10.C5.p1.np	myb_dna-binding(HMM:2.9e-12)
22553	OJ990527_23.9C10.C9.p2.np	myb_dna-binding(HMM:0.041)
22554	OJ990527_26.9C10.C4.p3.np	myb_dna-binding(HMM:0.0048)
22555	OJ990528_20.9B10.C7.p2.np	myb_dna-binding(HMM:7.1e-28)
22556	OJ990528_25.9B19.C8.p1.np	myb_dna-binding(HMM:3.9e-12)
22557	OJ990602_02.0421.C21.p2.np	myb_dna-binding(HMM:1.5e-41)
22558	OJ990602_02.9C20.C21.p2.np	myb_dna-binding(HMM:1.5e-41)
22559	OJ990602_03.0107.C20.p1.np	myb_dna-binding(HMM:2.1e-42)
22560	OJ990603_08.0419.C29.p1.np	myb_dna-binding(HMM:1.7e-17)
22561	OJ990603_08.0419.C29.p2.np	myb_dna-binding(HMM:1.7e-17)
22562	OJ990605_41.0225.C5.p2.np	myb_dna-binding(HMM:6e-39)
22563	OJ990605_41.0225.C5.p7.np	myb_dna-binding(HMM:0.0062)
22564	OJ990605_42.9C03.C4.p2.np	myb_dna-binding(HMM:1.9e-10)
22565	OJ990612_34.9A01.C4.p1.np	myb_dna-binding(HMM:4.3e-41)
22566	OJ990617_05.9924.C12.p2.np	myb_dna-binding(HMM:0.015)
22567	OJ990617_05.9924.C14.p1.np	myb_dna-binding(HMM:4.1e-20)
22568	OJ990617_14.9B23.C10.p1.np	myb_dna-binding(HMM:0.07)
22569	OJ990621_04.9C03.C20.p1.np	myb_dna-binding(HMM:5.8e-20)
22570	OJ990703_47.9C16.C3.p2.np	myb_dna-binding(HMM:3.9e-12)
22571	OJ990708_12.9919.C4.p3.np	myb_dna-binding(HMM:3.3e-37)
22572	OJ990709_03.9C01.C2.p5.np	myb_dna-binding(HMM:0.24)
22573	OJ990713_04.9C17.C21.p1.np	myb_dna-binding(HMM:1.5e-11)
22574	OJ990713_05.9924.C8.p2.np	myb_dna-binding(HMM:0.066)
22575	OJ990713_11.9B12.C13.p1.np	myb_dna-binding(HMM:7.1e-14)
22576	OJ990730_08.9C10.C3.p8.np	myb_dna-binding(HMM:1.5e-11)
22577	OJ990730_14.0419.C28.p1.np	myb_dna-binding(HMM:4.1e-06)
22578	OJ990802_13.9920.C1.p11.np	myb_dna-binding(HMM:0.035)
22579	OJ990808_36.9C20.C8.p2.np	myb_dna-binding(HMM:8.6e-37)
22580	OJ990808_57.0118.C7.p4.np	myb_dna-binding(HMM:5.8e-20)
22581	OJ990810_05.9B08.C11.p4.np	myb_dna-binding(HMM:0.00013)
22582	OJ990817_02.9A01.C10.p1.np	myb_dna-binding(HMM:4.5e-36)
22583	OJ990821_49.0128.C15.p1.np	myb_dna-binding(HMM:2.4)
22584	OJ990822_47.0103.C2.p1.np	myb_dna-binding(HMM:4.1e-43)
22585	OJ990823_07.9B10.C11.p1.np	myb_dna-binding(HMM:7.7e-17)
22586	OJ990826_04.9B03.C24.p3.np	myb_dna-binding(HMM:9.4e-11)
22587	OJ990827_09.0103.C7.p1.np	myb_dna-binding(HMM:1.1e-37)
22588	OJ990830_12.9C03.C13.p1.np	myb_dna-binding(HMM:6.4e-41)
22589	OJ990903_09.9B04.C8.p1.np	myb_dna-binding(HMM:8.5e-41)
22590	OJ990903_11.9C01.C17.p7.np	myb_dna-binding(HMM:5.7e-50)
22591	OJ990903_18.0103.C6.p1.np	myb_dna-binding(HMM:0.099)
22592	OJ990907_09.9B19.C14.p1.np	myb_dna-binding(HMM:1.6e-37)
22593	OJ990914_18.9B24.C2.p1.np	myb_dna-binding(HMM:7.1e-14)
22594	OJ990915_02.9A18.C18.p1.np	myb_dna-binding(HMM:7.4e-44)
22595	OJ990917_16.9B08.C15.p1.np	myb_dna-binding(HMM:0.0045)
22596	OJ990920_18.9C06.C35.p1.np	myb_dna-binding(HMM:7.1e-14)

22597	OJ990920_19.9B02.C24.p1.np	myb_dna-binding(HMM:4.5e-36)
22598	OJ990923_12.9C01.C6.p2.np	myb_dna-binding(HMM:2.8e-19)
22599	OJ990929_01.9C17.C26.p1.np	myb_dna-binding(HMM:5e-37)
22600	OJ990929_01.9C17.C40.p1.np	myb_dna-binding(HMM:1.5e-13)
22601	OJ990930_19.9B12.C17.p1.np	myb_dna-binding(HMM:6.6e-36)
22602	OJ991008_03.0207.C32.p1.np	myb_dna-binding(HMM:1.2e-42)
22603	OJ991008_04.0121.C44.p1.np	myb_dna-binding(HMM:2.4e-19)
22604	OJ991019_16.0118.C16.p1.np	myb_dna-binding(HMM:4.1e-09)
22605	OJ991019_19.0306.C17.p1.np	myb_dna-binding(HMM:4.1e-09)
22606	OJ991019_20.0419.C29.p2.np	myb_dna-binding(HMM:6.8e-38)
22607	OJ991022_02.0211.C16.p1.np	myb_dna-binding(HMM:5e-40)
22608	OJ991026_16.0118.C6.p3.np	myb_dna-binding(HMM:7e-43)
22609	OJ991028_05.0211.C8.p1.np	myb_dna-binding(HMM:0.0045)
22610	OJ991028_13.0204.C7.p1.np	myb_dna-binding(HMM:1.3e-27)
22611	OJ991028_14.0118.C7.p5.np	myb_dna-binding(HMM:5.7e-06)
22612	OJ991029_03.0127.C6.p10.np	myb_dna-binding(HMM:2.3e-37)
22613	OJ991106_31.9C23.C3.p3.np	myb_dna-binding(HMM:1.1e-36)
22614	OJ991106_34.9C09.C8.p1.np	myb_dna-binding(HMM:3.2e-35)
22615	OJ991108_05.0126.C8.p1.np	myb_dna-binding(HMM:5.8e-20)
22616	OJ991109_19.0421.C13.p1.np	myb_dna-binding(HMM:1.5e-06)
22617	OJ991110_11.0419.C9.p1.np	myb_dna-binding(HMM:0.01)
22618	OJ991111_11.0124.C15.p1.np	myb_dna-binding(HMM:0.24)
22619	OJ991111_14.0204.C8.p4.np	myb_dna-binding(HMM:0.24)
22620	OJ991112_15.0104.C13.p1.np	myb_dna-binding(HMM:7e-43)
22621	OJ991113_45.0419.C18.p1.np	myb_dna-binding(HMM:2.7e-40)
22622	OJ991114_31.9C13.C3.p3.np	myb_dna-binding(HMM:1.3e-41)
22623	OJ991114_31.9C13.C3.p5.np	myb_dna-binding(HMM:1.6e-39)
22624	OJ991114_44.9C30.C6.p1.np	myb_dna-binding(HMM:4.4e-05)
22625	OJ991115_07.0218.C16.p1.np	myb_dna-binding(HMM:4.7e-42)
22626	OJ991116_05.0330.C7.p5.np	myb_dna-binding(HMM:6.1e-35)
22627	OJ991116_14.0222.C1.p2.np	myb_dna-binding(HMM:6.3e-11)
22628	OJ991117_14.0410.C4.p1.np	myb_dna-binding(HMM:2.5e-31)
22629	OJ991119_07.0316.C11.p1.np	myb_dna-binding(HMM:5.7e-37)
22630	OJ991120_34.0419.C7.p2.np	myb_dna-binding(HMM:1.8e-37)
22631	OJ991121_36.0121.C40.p1.np	myb_dna-binding(HMM:3.9e-12)
22632	OJ991121_41.0421.C5.p2.np	myb_dna-binding(HMM:2.5e-10)
22633	OJ991121_41.9C28.C5.p2.np	myb_dna-binding(HMM:2.5e-10)
22634	OJ991121_44.0419.C29.p1.np	myb_dna-binding(HMM:0.041)
22635	OJ991121_44.0419.C34.p1.np	myb_dna-binding(HMM:2.9e-12)
22636	OJ991122_01.9C23.C1.p1.np	myb_dna-binding(HMM:0.0048)
22637	OJ991122_03.0421.C4.p1.np	myb_dna-binding(HMM:1.8e-43)
22638	OJ991122_03.9C23.C4.p1.np	myb_dna-binding(HMM:1.8e-43)
22639	OJ991122_19.0330.C4.p1.np	myb_dna-binding(HMM:4.7e-42)
22640	OJ991201_17.0119.C2.p1.np	myb_dna-binding(HMM:8.5e-19)
22641	OJ991202_08.9C30.C7.p3.np	myb_dna-binding(HMM:0.00012)
22642	OJ991208_17.0104.C4.p1.np	myb_dna-binding(HMM:5e-40)
22643	OJ991211_50.0403.C1.p1.np	myb_dna-binding(HMM:1.3e-33)
22644	OJ991214_10.0222.C51.p1.np	myb_dna-binding(HMM:0.0017)
22645	OJ991214_14.0204.C1.p4.np	myb_dna-binding(HMM:1.9e-43)
22646	OJ991215_06.0118.C6.p7.np	myb_dna-binding(HMM:3.1e-60)
22647	OJ991215_15.0127.C46.p1.np	myb_dna-binding(HMM:8.5e-41)
22648	OJ991216_07.0301.C8.p5.np	myb_dna-binding(HMM:7.1e-14)
22649	OJ991225_70.0308.C24.p1.np	myb_dna-binding(HMM:7.1e-14)

22650	OJ991226_43.0315.C36.p2.np	myb_dna-binding(HMM:0.0045)
22651	OJ990502_23.9B12.C8.p2.np	myb_dna-binding(HMM:0.0034),zf-cchc(HMM:0.00074)
22652	OJ991106_31.9C23.C3.p1.np	myb_dna-binding(HMM:1.1e-36),zf-cchc(HMM:2.2e-06)
22653	OJ000204_18.0225.C8.p1.np	myb_dna-binding(HMM:3.1e-12),zz(HMM:0.03)
22654	OJ000321_16.0419.C14.p2.np	myb_dna-binding(HMM:4e-11),zz(HMM:1.1e-10)
22655	OJ000107_05.0215.C31.p1.np	nam(HMM:2.1e-13)
22656	OJ000107_05.0426.C31.p1.np	nam(HMM:2.1e-13)
22657	OJ000112_09.0209.C8.p4.np	nam(HMM:6.7e-86)
22658	OJ000112_09.0303.C5.p4.np	nam(HMM:6.7e-86)
22659	OJ000112_09.0426.C5.p4.np	nam(HMM:6.7e-86)
22660	OJ000113_11.0225.C13.p1.np	nam(HMM:2.9e-87)
22661	OJ000118_14.0228.C1.p2.np	nam(HMM:6.1e-11)
22662	OJ000118_14.0331.C1.p2.np	nam(HMM:6.1e-11)
22663	OJ000118_16.0301.C6.p1.np	nam(HMM:0.3)
22664	OJ000118_21.0313.C17.p2.np	nam(HMM:1.5e-52)
22665	OJ000150_22.0124.C86.p2.np	nam(HMM:4.3e-77)
22666	OJ000150_24.0124.C2.p4.np	nam(HMM:7.1e-85)
22667	OJ000204_17.0323.C4.p1.np	nam(HMM:5.4e-78)
22668	OJ000207_13.0303.C7.p4.np	nam(HMM:2.4e-54)
22669	OJ000209_02.0314.C24.p2.np	nam(HMM:8e-86)
22670	OJ000211_24.0317.C8.p2.np	nam(HMM:8.2e-34)
22671	OJ000214_05.0303.C10.p1.np	nam(HMM:2.1e-77)
22672	OJ000223_01.0320.C7.p2.np	nam(HMM:0.00071)
22673	OJ000223_03.0330.C22.p2.np	nam(HMM:8.8e-53)
22674	OJ000228_07.0410.C6.p1.np	nam(HMM:6.2e-69)
22675	OJ000229_02.0323.C6.p2.np	nam(HMM:7.3e-65)
22676	OJ000229_24.0419.C20.p1.np	nam(HMM:8e-84)
22677	OJ000229_24.0419.C3.p1.np	nam(HMM:1.7e-86)
22678	OJ000250_39.0223.C10.p2.np	nam(HMM:3.9e-66)
22679	OJ000250_49.0214.C7.p1.np	nam(HMM:8.4e-66)
22680	OJ000250_61.0419.C22.p1.np	nam(HMM:1.1e-67)
22681	OJ000250_73.0214.C5.p3.np	nam(HMM:1.2e-53)
22682	OJ000251_06.0419.C162.p1.np	nam(HMM:9e-84)
22683	OJ000302_09.0414.C4.p3.np	nam(HMM:3e-87)
22684	OJ000303_22.0419.C12.p1.np	nam(HMM:5.2e-72)
22685	OJ000303_22.0419.C14.p1.np	nam(HMM:6.7e-88)
22686	OJ000303_28.0419.C18.p2.np	nam(HMM:8.4e-66)
22687	OJ000308_22.0419.C15.p2.np	nam(HMM:3.9e-66)
22688	OJ000310_04.0419.C8.p1.np	nam(HMM:1.1e-12)
22689	OJ000310_04.0419.C9.p1.np	nam(HMM:0.2)
22690	OJ000313_19.0419.C59.p1.np	nam(HMM:3.5e-54)
22691	OJ000314_10.0411.C6.p1.np	nam(HMM:1.5e-73)
22692	OJ000314_10.0420.C3.p1.np	nam(HMM:1.5e-73)
22693	OJ000314_15.0419.C32.p1.np	nam(HMM:4.4e-59)
22694	OJ000314_27.0419.C11.p1.np	nam(HMM:1.5e-44)
22695	OJ000314_37.0412.C9.p2.np	nam(HMM:1.6e-11)
22696	OJ000314_37.0412.C9.p3.np	nam(HMM:1.6e-11)
22697	OJ000314_37.0420.C9.p2.np	nam(HMM:1.6e-11)
22698	OJ000314_37.0420.C9.p3.np	nam(HMM:1.6e-11)

22699	OJ000315_11.0419.C14.p1.np	nam(HMM:3.4e-71)
22700	OJ000315_34.0407.C13.p2.np	nam(HMM:1.5e-44)
22701	OJ000315_34.0407.C13.p6.np	nam(HMM:1.5e-44)
22702	OJ000315_34.0420.C7.p2.np	nam(HMM:1.5e-44)
22703	OJ000315_34.0420.C7.p6.np	nam(HMM:1.5e-44)
22704	OJ000316_07.0419.C11.p1.np	nam(HMM:4.4e-55)
22705	OJ000316_19.0419.C12.p1.np	nam(HMM:6.8e-07)
22706	OJ000316_19.0419.C2.p1.np	nam(HMM:0.093)
22707	OJ000321_03.0417.C3.p2.np	nam(HMM:8.8e-10)
22708	OJ000321_03.0426.C3.p2.np	nam(HMM:8.8e-10)
22709	OJ000322_18.0419.C24.p1.np	nam(HMM:1.6e-11)
22710	OJ000327_10.0424.C2.p1.np	nam(HMM:1.5e-06)
22711	OJ000327_18.0420.C19.p1.np	nam(HMM:2.8e-94)
22712	OJ000330_01.0424.C29.p1.np	nam(HMM:0.12)
22713	OJ000330_14.0419.C34.p1.np	nam(HMM:3.3e-83)
22714	OJ000331_24.0424.C16.p2.np	nam(HMM:8.8e-53)
22715	OJ000350_09.0323.C12.p1.np	nam(HMM:1.2e-42)
22716	OJ000350_60.0419.C17.p1.np	nam(HMM:5.8e-82)
22717	OJ000404_39.0424.C24.p1.np	nam(HMM:2.7e-06)
22718	OJ000405_19.0424.C38.p1.np	nam(HMM:1.6e-76)
22719	OJ000450_12.0410.C1.p9.np	nam(HMM:1.9e-90)
22720	OJ990203_05.9819.C19.p3.np	nam(HMM:3.1e-55)
22721	OJ990203_06.9819.C6.p3.np	nam(HMM:1.9)
22722	OJ990205_04.9819.C77.p1.np	nam(HMM:3.9e-31)
22723	OJ990212_06.9819.C5.p1.np	nam(HMM:5.1e-23)
22724	OJ990319_04.9819.C24.p1.np	nam(HMM:2.9e-87)
22725	OJ990319_05.9819.C16.p3.np	nam(HMM:2.4e-88)
22726	OJ990319_06.9C10.C47.p1.np	nam(HMM:2.9e-87)
22727	OJ990323_14.9A18.C9.p3.np	nam(HMM:4.5e-42)
22728	OJ990402_22.9819.C15.p2.np	nam(HMM:5.9e-51)
22729	OJ990402_22.9819.C18.p1.np	nam(HMM:0.0015)
22730	OJ990412_12.9A01.C33.p1.np	nam(HMM:4.9e-09)
22731	OJ990429_05.9924.C10.p1.np	nam(HMM:7.3e-72)
22732	OJ990501_25.9604.C41.p1.np	nam(HMM:2.1e-52)
22733	OJ990502_29.9924.C7.p1.np	nam(HMM:3.9e-31)
22734	OJ990517_04.9A01.C74.p1.np	nam(HMM:6.3e-07)
22735	OJ990518_06.9B05.C17.p1.np	nam(HMM:1.1e-05)
22736	OJ990518_06.9B05.C41.p1.np	nam(HMM:1.5e-45)
22737	OJ990518_06.9B05.C41.p2.np	nam(HMM:3.5e-26)
22738	OJ990518_06.9B05.C44.p1.np	nam(HMM:3.9e-24)
22739	OJ990518_06.9B05.C44.p2.np	nam(HMM:3.9e-28)
22740	OJ990520_03.9C23.C51.p2.np	nam(HMM:4.8e-34)
22741	OJ990524_01.0421.C7.p1.np	nam(HMM:7.8e-54)
22742	OJ990524_13.0103.C11.p5.np	nam(HMM:6.1e-17)
22743	OJ990527_26.9C10.C2.p1.np	nam(HMM:2.1e-85)
22744	OJ990527_26.9C10.C2.p8.np	nam(HMM:1.5e-88)
22745	OJ990531_31.0419.C102.p2.np	nam(HMM:9.3e-89)
22746	OJ990531_40.9C03.C1.p5.np	nam(HMM:4.4e-81)
22747	OJ990601_08.9A22.C43.p1.np	nam(HMM:1.9e-81)
22748	OJ990617_04.9A01.C3.p1.np	nam(HMM:6.4e-74)
22749	OJ990617_04.9A01.C5.p1.np	nam(HMM:6.7e-88)
22750	OJ990630_14.9C03.C3.p2.np	nam(HMM:1.2e-53)
22751	OJ990716_04.0107.C10.p4.np	nam(HMM:3.2e-83)
22752	OJ990723_09.9A14.C9.p5.np	nam(HMM:7.3e-65)

22753	OJ990729_01.0114.C4.p3.np	nam(HMM:1e-10)
22754	OJ990729_01.0114.C5.p1.np	nam(HMM:2.6e-08)
22755	OJ990729_01.0114.C5.p3.np	nam(HMM:1.6e-07)
22756	OJ990730_05.9C17.C9.p2.np	nam(HMM:8.8e-53)
22757	OJ990805_01.9B19.C11.p2.np	nam(HMM:8.8e-53)
22758	OJ990818_12.9924.C8.p1.np	nam(HMM:2e-67)
22759	OJ990827_07.9C08.C12.p2.np	nam(HMM:7.5e-26)
22760	OJ990903_07.9B08.C10.p1.np	nam(HMM:1.5e-45)
22761	OJ990903_07.9B08.C21.p1.np	nam(HMM:3.9e-24)
22762	OJ990903_07.9B08.C21.p2.np	nam(HMM:3.9e-28)
22763	OJ990903_07.9B08.C23.p1.np	nam(HMM:5.5e-08)
22764	OJ990909_08.0222.C18.p1.np	nam(HMM:8.6e-45)
22765	OJ990909_10.0114.C22.p1.np	nam(HMM:1.9e-85)
22766	OJ990910_18.9C14.C5.p1.np	nam(HMM:1.2e-53)
22767	OJ990917_17.9C10.C21.p2.np	nam(HMM:9e-84)
22768	OJ991007_18.0120.C4.p4.np	nam(HMM:4.6e-65)
22769	OJ991014_01.0111.C7.p3.np	nam(HMM:9.5e-44)
22770	OJ991019_16.0118.C21.p6.np	nam(HMM:6.6e-24)
22771	OJ991019_19.0306.C2.p5.np	nam(HMM:7.1e-25)
22772	OJ991022_01.0229.C2.p1.np	nam(HMM:3.9e-31)
22773	OJ991106_46.9C17.C3.p4.np	nam(HMM:4.3e-77)
22774	OJ991107_45.0203.C15.p1.np	nam(HMM:4.4e-81)
22775	OJ991108_12.0404.C9.p1.np	nam(HMM:3.9e-87)
22776	OJ991111_05.0125.C7.p1.np	nam(HMM:4.8e-34)
22777	OJ991114_36.0128.C4.p1.np	nam(HMM:1.9e-67)
22778	OJ991201_14.0118.C3.p2.np	nam(HMM:1.8e-75)
22779	OJ991206_18.0131.C4.p5.np	nam(HMM:2.7e-42)
22780	OJ991208_15.0103.C9.p1.np	nam(HMM:7.4e-77)
22781	OJ991210_06.0110.C33.p1.np	nam(HMM:1.2e-53)
22782	OJ991211_65.0317.C9.p1.np	nam(HMM:3.1e-83)
22783	OJ991217_05.0131.C13.p2.np	nam(HMM:6.1e-11)
22784	OJ000150_24.0124.C2.p13.np	nap_family(HMM:3.5e-27)
22785	OJ000251_15.0321.C7.p3.np	nap_family(HMM:2.1e-101)
22786	OJ000315_35.0410.C15.p1.np	nap_family(HMM:1e-77)
22787	OJ000315_35.0420.C18.p1.np	nap_family(HMM:1e-77)
22788	OJ000320_40.0413.C13.p7.np	nap_family(HMM:1.1e-113)
22789	OJ990416_07.9B12.C39.p3.np	nap_family(HMM:3.5e-27)
22790	Contig1.p1.np	phd(HMM:1.9e-13)
22791	OJ000102_54.0426.C81.p1.np	phd(HMM:0.045)
22792	OJ000108_54.0419.C46.p1.np	phd(HMM:0.045)
22793	OJ000108_54.0426.C46.p1.np	phd(HMM:0.045)
22794	OJ000112_09.0209.C6.p1.np	phd(HMM:0.0094)
22795	OJ000112_09.0303.C4.p4.np	phd(HMM:0.0094)
22796	OJ000112_09.0426.C4.p4.np	phd(HMM:0.0094)
22797	OJ000114_12.0208.C8.p2.np	phd(HMM:2.2e-15)
22798	OJ000114_12.0208.C8.p3.np	phd(HMM:2.4e-12)
22799	OJ000150_16.0124.C45.p1.np	phd(HMM:5.8e-12)
22800	OJ000207_16.0301.C3.p2.np	phd(HMM:9.9e-06)
22801	OJ000207_17.0306.C15.p1.np	phd(HMM:7.5e-15)
22802	OJ000207_17.0323.C13.p1.np	phd(HMM:7.5e-15)
22803	OJ000209_26.0229.C18.p1.np	phd(HMM:4.1e-12)
22804	OJ000210_16.0330.C7.p1.np	phd(HMM:3.6e-05)
22805	OJ000250_21.0225.C1.p1.np	phd(HMM:1.9e-13)
22806	OJ000301_23.0419.C12.p1.np	phd(HMM:0.013)

22807	OJ000303_03.0419.C2.p1.np	phd(HMM:4.4e-07)
22808	OJ000303_07.0419.C23.p1.np	phd(HMM:5.1e-05)
22809	OJ000307_12.0403.C23.p2.np	phd(HMM:9.9e-06)
22810	OJ000313_17.0419.C14.p1.np	phd(HMM:4.4e-07)
22811	OJ000314_14.0419.C3.p1.np	phd(HMM:3.3e-12)
22812	OJ000314_30.0419.C4.p4.np	phd(HMM:2.4e-12)
22813	OJ000316_06.0418.C41.p1.np	phd(HMM:1.2)
22814	OJ000316_25.0419.C14.p3.np	phd(HMM:2.4e-12)
22815	OJ000321_06.0419.C38.p1.np	phd(HMM:1.1e-11)
22816	OJ000321_20.0425.C17.p2.np	phd(HMM:9.9e-06)
22817	OJ000323_04.0424.C11.p2.np	phd(HMM:0.068)
22818	OJ000324_22.0424.C26.p1.np	phd(HMM:0.031)
22819	OJ000324_24.0419.C27.p1.np	phd(HMM:0.031)
22820	OJ000327_33.0419.C43.p1.np	phd(HMM:2.4e-10)
22821	OJ000350_00.0328.C17.p5.np	phd(HMM:0.024)
22822	OJ000404_02.0421.C48.p1.np	phd(HMM:1.4e-08)
22823	OJ000404_03.0424.C22.p1.np	phd(HMM:3.6e-05)
22824	OJ000404_20.0424.C16.p1.np	phd(HMM:0.079)
22825	OJ000450_15.0411.C1.p2.np	phd(HMM:0.027)
22826	OJ990303_10.0420.C5.p1.np	phd(HMM:1.3e-12)
22827	OJ990303_10.9819.C5.p1.np	phd(HMM:1.3e-12)
22828	OJ990323_20.9A03.C10.p4.np	phd(HMM:1.1e-11)
22829	OJ990330_17.9819.C15.p1.np	phd(HMM:2.2e-15)
22830	OJ990330_19.9819.C30.p3.np	phd(HMM:0.017)
22831	OJ990406_09.9819.C17.p1.np	phd(HMM:5.7e-06)
22832	OJ990410_26.9922.C4.p2.np	phd(HMM:2.1e-07)
22833	OJ990410_26.9922.C4.p3.np	phd(HMM:2.1e-07)
22834	OJ990420_09.9923.C12.p1.np	phd(HMM:0.031)
22835	OJ990428_05.9819.C55.p1.np	phd(HMM:1.1e-14)
22836	OJ990428_31.9924.C29.p1.np	phd(HMM:1.4e-05)
22837	OJ990430_01.9C03.C46.p1.np	phd(HMM:0.0085)
22838	OJ990519_30.9A20.C2.p1.np	phd(HMM:0.0047)
22839	OJ990524_05.0103.C20.p1.np	phd(HMM:0.02)
22840	OJ990524_05.0103.C37.p1.np	phd(HMM:0.026)
22841	OJ990620_39.9919.C20.p3.np	phd(HMM:8.4e-07)
22842	OJ990625_06.9927.C4.p3.np	phd(HMM:5.8e-12)
22843	OJ990709_11.9922.C1.p7.np	phd(HMM:1.1e-11)
22844	OJ990722_11.9C01.C10.p1.np	phd(HMM:0.028)
22845	OJ990727_08.9B05.C5.p2.np	phd(HMM:2.5e-15)
22846	OJ990727_08.9B05.C9.p1.np	phd(HMM:2.4e-10)
22847	OJ990802_16.9C17.C2.p1.np	phd(HMM:0.019)
22848	OJ990808_43.0110.C2.p2.np	phd(HMM:2.9e-14)
22849	OJ990808_43.0110.C3.p5.np	phd(HMM:2.2e-05)
22850	OJ990821_45.0103.C10.p1.np	phd(HMM:0.018)
22851	OJ990821_45.0421.C4.p1.np	phd(HMM:0.018)
22852	OJ990821_55.0110.C23.p3.np	phd(HMM:0.079)
22853	OJ990821_61.9C20.C9.p1.np	phd(HMM:0.02)
22854	OJ990822_41.0128.C4.p1.np	phd(HMM:0.068)
22855	OJ990826_07.0103.C1.p1.np	phd(HMM:4.4e-07)
22856	OJ990907_08.9B19.C6.p1.np	phd(HMM:6.2e-08)
22857	OJ991109_05.0121.C12.p1.np	phd(HMM:2.4e-10)
22858	OJ991109_20.9C22.C25.p1.np	phd(HMM:9.5e-07)
22859	OJ991110_07.0225.C7.p7.np	phd(HMM:1.9e-13)
22860	OJ991112_01.0403.C17.p3.np	phd(HMM:3.4e-12)

22861	OJ991208_10.0107.C9.p1.np	phd(HMM:1.9e-05)
22862	OJ990421_27.9B19.C13.p6.np	phd(HMM:0.045),set(HMM:3.4e-52)
22863	OJ000119_08.0302.C10.p4.np	phd(HMM:6.6e-06),snf2_n(HMM:7.7e-42),zf-c3hc4(HMM:0.00035)
22864	OJ991214_03.0114.C4.p3.np	phd(HMM:1.3e-07),snf2_n(HMM:1.3e-40),zf-c3hc4(HMM:0.00035)
22865	OJ000250_27.0208.C18.p1.np	phd(HMM:0.051),zf-c3hc4(HMM:9.5e-07)
22866	OJ000250_27.0303.C9.p4.np	phd(HMM:0.051),zf-c3hc4(HMM:9.5e-07)
22867	OJ000301_18.0330.C11.p2.np	phd(HMM:0.037),zf-c3hc4(HMM:1.8e-06)
22868	OJ990326_01.9C01.C28.p1.np	phd(HMM:0.089),zf-c3hc4(HMM:2.3e-12)
22869	OJ990822_47.0103.C5.p1.np	phd(HMM:1.7e-11),zf-c3hc4(HMM:7.7e-06)
22870	OJ990915_02.9A18.C14.p1.np	phd(HMM:0.051),zf-c3hc4(HMM:9.5e-07)
22871	OJ990917_09.9A29.C13.p1.np	phd(HMM:0.037),zf-c3hc4(HMM:1.8e-06)
22872	OJ990917_09.9A29.C13.p2.np	phd(HMM:0.037),zf-c3hc4(HMM:1.8e-06)
22873	OJ991020_07.0202.C12.p2.np	phd(HMM:0.22),zf-c3hc4(HMM:8.1e-12)
22874	OJ991020_07.0202.C12.p3.np	phd(HMM:0.22),zf-c3hc4(HMM:8.1e-12)
22875	OJ991226_49.0317.C8.p1.np	phd(HMM:0.037),zf-c3hc4(HMM:1.8e-06)
22876	OJ991226_49.0317.C8.p2.np	phd(HMM:0.037),zf-c3hc4(HMM:1.8e-06)
22877	OJ000107_08.0330.C23.p3.np	response_reg(HMM:1.1e-13)
22878	OJ000107_08.0426.C23.p3.np	response_reg(HMM:1.1e-13)
22879	OJ000150_17.0124.C41.p3.np	response_reg(HMM:4.1e-12)
22880	OJ000203_01.0222.C31.p1.np	response_reg(HMM:5.4e-31)
22881	OJ000208_03.0310.C3.p1.np	response_reg(HMM:4.9e-27)
22882	OJ000208_25.0419.C37.p1.np	response_reg(HMM:5.7e-09)
22883	OJ000214_01.0308.C34.p2.np	response_reg(HMM:1.9e-29)
22884	OJ000217_01.0308.C2.p1.np	response_reg(HMM:5.1e-05)
22885	OJ000221_23.0317.C14.p1.np	response_reg(HMM:4.9e-27)
22886	OJ000229_02.0323.C6.p5.np	response_reg(HMM:4e-07)
22887	OJ000250_68.0211.C10.p1.np	response_reg(HMM:4.5e-19)
22888	OJ000251_23.0216.C33.p1.np	response_reg(HMM:1.1e-13)
22889	OJ000321_13.0424.C17.p1.np	response_reg(HMM:8.9e-20)
22890	OJ000324_02.0417.C11.p1.np	response_reg(HMM:1.7e-20)
22891	OJ000327_05.0419.C12.p1.np	response_reg(HMM:2.4e-24)
22892	OJ000327_05.0419.C4.p2.np	response_reg(HMM:3.6e-22)
22893	OJ990409_06.9819.C1.p2.np	response_reg(HMM:0.0062)
22894	OJ990416_04.9819.C5.p1.np	response_reg(HMM:5.4e-31)
22895	OJ990426_02.0419.C175.p1.np	response_reg(HMM:1.6e-27)
22896	OJ990426_02.9608.C56.p1.np	response_reg(HMM:9.2e-31)
22897	OJ990426_31.0419.C35.p1.np	response_reg(HMM:5e-31)

22898	OJ990427_23.9C03.C6.p5.np	response_reg(HMM:1e-27)
22899	OJ990430_11.9A14.C52.p1.np	response_reg(HMM:8.9e-10)
22900	OJ990517_09.9C23.C59.p1.np	response_reg(HMM:4.1e-11)
22901	OJ990527_04.9C17.C30.p1.np	response_reg(HMM:5.3e-16)
22902	OJ990527_06.0421.C15.p1.np	response_reg(HMM:2.5e-10)
22903	OJ990723_09.9A14.C5.p1.np	response_reg(HMM:4e-07)
22904	OJ990723_09.9A14.C5.p2.np	response_reg(HMM:6e-06)
22905	OJ990730_11.9B08.C7.p1.np	response_reg(HMM:1.4e-30)
22906	OJ990820_06.0215.C12.p1.np	response_reg(HMM:6.7e-18)
22907	OJ990903_18.0103.C5.p1.np	response_reg(HMM:0.016)
22908	OJ990915_02.9A18.C19.p3.np	response_reg(HMM:1.5e-06)
22909	OJ000103_07.0224.C10.p1.np	sbpb(HMM:4.4e-38)
22910	OJ000103_07.0426.C10.p1.np	sbpb(HMM:4.4e-38)
22911	OJ000110_13.0222.C2.p1.np	sbpb(HMM:4.4e-38)
22912	OJ000110_13.0426.C2.p1.np	sbpb(HMM:4.4e-38)
22913	OJ000111_20.0215.C12.p1.np	sbpb(HMM:9.7e-37)
22914	OJ000111_20.0426.C12.p1.np	sbpb(HMM:9.7e-37)
22915	OJ000223_16.0320.C11.p1.np	sbpb(HMM:9.7e-37)
22916	OJ000224_06.0317.C20.p1.np	sbpb(HMM:0.24)
22917	OJ000251_51.0217.C10.p2.np	sbpb(HMM:2.1e-37)
22918	OJ000302_08.0410.C5.p1.np	sbpb(HMM:7.3e-20)
22919	OJ000320_29.0419.C12.p2.np	sbpb(HMM:2.7e-42)
22920	OJ000324_21.0420.C5.p1.np	sbpb(HMM:4.4e-38)
22921	OJ000331_01.0419.C11.p1.np	sbpb(HMM:0.00016)
22922	OJ990331_10.9A01.C5.p9.np	sbpb(HMM:1.4e-37)
22923	OJ990503_26.9B02.C8.p2.np	sbpb(HMM:7.9e-10)
22924	OJ990503_26.9B02.C9.p1.np	sbpb(HMM:8.5e-09)
22925	OJ990515_20.9924.C4.p2.np	sbpb(HMM:1.2e-40)
22926	OJ990726_09.9B05.C2.p1.np	sbpb(HMM:1.8e-40)
22927	OJ990822_51.9C23.C2.p1.np	sbpb(HMM:2.8e-38)
22928	OJ990907_11.0103.C10.p1.np	sbpb(HMM:9.7e-37)
22929	OJ990915_04.9B04.C7.p1.np	sbpb(HMM:6.5e-45)
22930	OJ991115_09.0421.C12.p1.np	sbpb(HMM:1.2e-40)
22931	OJ991115_09.9C22.C12.p1.np	sbpb(HMM:1.2e-40)
22932	OJ991116_12.0107.C7.p2.np	sbpb(HMM:9.7e-37)
22933	OJ991206_04.0421.C6.p1.np	sbpb(HMM:6.5e-45)
22934	OJ991206_04.9C30.C16.p1.np	sbpb(HMM:6.5e-45)
22935	OJ991206_14.0215.C53.p13.np	sbpb(HMM:6.5e-45)
22936	OJ991206_18.0131.C16.p1.np	sbpb(HMM:1.2e-40)
22937	OJ000107_03.0207.C12.p1.np	scr(HMM:2.5e-12)
22938	OJ000107_03.0207.C2.p1.np	scr(HMM:1.3e-145)
22939	OJ000107_03.0207.C3.p1.np	scr(HMM:9.5e-134)
22940	OJ000107_03.0207.C5.p1.np	scr(HMM:4.6e-241)
22941	OJ000107_03.0207.C6.p2.np	scr(HMM:2.9e-104)
22942	OJ000107_03.0310.C5.p1.np	scr(HMM:1.3e-145)
22943	OJ000107_03.0310.C6.p1.np	scr(HMM:9.5e-134)
22944	OJ000107_03.0310.C7.p1.np	scr(HMM:4.6e-241)
22945	OJ000107_03.0310.C7.p2.np	scr(HMM:2.5e-106)
22946	OJ000107_03.0310.C7.p3.np	scr(HMM:2.4e-211)
22947	OJ000107_03.0310.C7.p4.np	scr(HMM:4.4e-26)
22948	OJ000107_03.0426.C5.p1.np	scr(HMM:1.3e-145)
22949	OJ000107_03.0426.C6.p1.np	scr(HMM:9.5e-134)
22950	OJ000107_03.0426.C7.p1.np	scr(HMM:4.6e-241)
22951	OJ000107_03.0426.C7.p2.np	scr(HMM:2.5e-106)

22952	OJ000107_03.0426.C7.p3.np	scr(HMM:2.4e-211)
22953	OJ000107_03.0426.C7.p4.np	scr(HMM:4.4e-26)
22954	OJ000114_11.0217.C4.p1.np	scr(HMM:9.4e-141)
22955	OJ000114_11.0217.C5.p1.np	scr(HMM:3.2e-39)
22956	OJ000118_07.0215.C1.p7.np	scr(HMM:4.6e-115)
22957	OJ000122_43.0303.C6.p6.np	scr(HMM:7.8e-06)
22958	OJ000150_05.0124.C11.p1.np	scr(HMM:2.1e-06)
22959	OJ000150_05.0124.C11.p4.np	scr(HMM:7e-06)
22960	OJ000150_05.0124.C11.p5.np	scr(HMM:9.9e-08)
22961	OJ000150_05.0421.C10.p1.np	scr(HMM:2.1e-06)
22962	OJ000150_05.0421.C10.p4.np	scr(HMM:7e-06)
22963	OJ000150_05.0421.C10.p5.np	scr(HMM:9.9e-08)
22964	OJ000150_20.0124.C2.p1.np	scr(HMM:4.1e-117)
22965	OJ000209_11.0307.C10.p1.np	scr(HMM:0.00045)
22966	OJ000209_11.0307.C10.p2.np	scr(HMM:2.4e-85)
22967	OJ000214_02.0321.C7.p1.np	scr(HMM:1.6)
22968	OJ000216_07.0323.C1.p2.np	scr(HMM:6.1e-116)
22969	OJ000221_20.0314.C9.p1.np	scr(HMM:2.6e-07)
22970	OJ000222_15.0406.C2.p1.np	scr(HMM:1.4e-156)
22971	OJ000250_90.0214.C63.p1.np	scr(HMM:6.4e-06)
22972	OJ000250_90.0214.C64.p1.np	scr(HMM:5.1e-07)
22973	OJ000251_48.0228.C31.p9.np	scr(HMM:5.8e-113)
22974	OJ000303_22.0419.C20.p1.np	scr(HMM:7.6e-92)
22975	OJ000303_26.0411.C7.p1.np	scr(HMM:6.1e-112)
22976	OJ000307_18.0410.C8.p1.np	scr(HMM:3.2e-34)
22977	OJ000307_18.0420.C8.p1.np	scr(HMM:3.2e-34)
22978	OJ000310_37.0419.C17.p1.np	scr(HMM:8.8e-43)
22979	OJ000315_06.0413.C10.p2.np	scr(HMM:1.8e-149)
22980	OJ000315_06.0420.C13.p1.np	scr(HMM:1.8e-149)
22981	OJ000316_29.0424.C43.p1.np	scr(HMM:9.5e-61)
22982	OJ000322_13.0420.C43.p4.np	scr(HMM:6.8e-07)
22983	OJ000322_17.0419.C15.p1.np	scr(HMM:1.5e-136)
22984	OJ000322_17.0419.C15.p2.np	scr(HMM:5.2e-31)
22985	OJ000322_17.0419.C16.p1.np	scr(HMM:1.5e-10)
22986	OJ000322_17.0419.C18.p1.np	scr(HMM:1.2e-76)
22987	OJ000322_17.0419.C27.p1.np	scr(HMM:3.1e-62)
22988	OJ000322_17.0419.C36.p1.np	scr(HMM:4e-143)
22989	OJ000324_20.0419.C19.p1.np	scr(HMM:2.1e-12)
22990	OJ000324_37.0419.C14.p2.np	scr(HMM:6.1e-112)
22991	OJ000327_15.0424.C21.p1.np	scr(HMM:1.6e-05)
22992	OJ000327_16.0420.C29.p1.np	scr(HMM:1.8e-155)
22993	OJ000327_36.0418.C2.p2.np	scr(HMM:5.4e-80)
22994	OJ000329_02.0418.C15.p2.np	scr(HMM:5.4e-80)
22995	OJ000331_10.0419.C11.p1.np	scr(HMM:1.4e-156)
22996	OJ990204_02.9819.C33.p2.np	scr(HMM:0.0073)
22997	OJ990301_09.9819.C7.p1.np	scr(HMM:4.8e-28)
22998	OJ990318_06.0228.C7.p1.np	scr(HMM:9e-11)
22999	OJ990330_14.0103.C7.p3.np	scr(HMM:8.8e-09)
23000	OJ990331_08.9922.C15.p1.np	scr(HMM:3.4e-06)
23001	OJ990402_02.9B05.C13.p2.np	scr(HMM:1.7e-18)
23002	OJ990405_10.9819.C11.p1.np	scr(HMM:2.7e-144)
23003	OJ990405_12.9819.C10.p4.np	scr(HMM:5.4e-08)
23004	OJ990405_12.9819.C11.p1.np	scr(HMM:3.4e-08)
23005	OJ990414_06.9C10.C4.p1.np	scr(HMM:6.1e-81)

23006	OJ990414_10.9819.C9.p1.np	scr(HMM:1.2e-05)
23007	OJ990414_11.9819.C18.p1.np	scr(HMM:4.7e-135)
23008	OJ990415_08.9922.C11.p6.np	scr(HMM:9.8e-134)
23009	OJ990421_11.9923.C10.p1.np	scr(HMM:1.3e-79)
23010	OJ990421_11.9923.C25.p1.np	scr(HMM:4.1e-07)
23011	OJ990422_26.9924.C14.p2.np	scr(HMM:1.2e-68)
23012	OJ990423_04.9919.C9.p2.np	scr(HMM:1.4e-112)
23013	OJ990427_01.9A14.C22.p1.np	scr(HMM:7e-56)
23014	OJ990428_02.9A29.C11.p6.np	scr(HMM:3.5e-77)
23015	OJ990430_24.9924.C10.p3.np	scr(HMM:6.5e-66)
23016	OJ990520_13.9922.C5.p2.np	scr(HMM:3.4e-29)
23017	OJ990520_25.9C17.C3.p1.np	scr(HMM:3.8e-05)
23018	OJ990528_06.9C03.C33.p2.np	scr(HMM:2.4e-155)
23019	OJ990617_05.9924.C16.p1.np	scr(HMM:1.4e-156)
23020	OJ990617_06.9A27.C50.p1.np	scr(HMM:7.3e-25)
23021	OJ990627_38.9B19.C3.p1.np	scr(HMM:2.5e-19)
23022	OJ990627_41.9919.C7.p1.np	scr(HMM:0.87)
23023	OJ990705_39.9919.C11.p7.np	scr(HMM:2.1e-113)
23024	OJ990715_06.9A01.C6.p2.np	scr(HMM:1.2e-53)
23025	OJ990723_10.9C01.C11.p1.np	scr(HMM:2.7e-144)
23026	OJ990816_08.0419.C14.p1.np	scr(HMM:5.3e-35)
23027	OJ990816_09.9B19.C35.p1.np	scr(HMM:2.5e-06)
23028	OJ990818_05.9C01.C11.p3.np	scr(HMM:1.3e-284)
23029	OJ990818_09.9B08.C11.p1.np	scr(HMM:2.5e-06)
23030	OJ990823_06.9B03.C17.p1.np	scr(HMM:1.5e-19)
23031	OJ990826_01.9C28.C11.p2.np	scr(HMM:3.9e-20)
23032	OJ990826_01.9C28.C11.p3.np	scr(HMM:1.7e-12)
23033	OJ990830_10.9C13.C6.p1.np	scr(HMM:9.2e-68)
23034	OJ990907_10.0128.C10.p1.np	scr(HMM:0.00013)
23035	OJ990907_16.9B23.C9.p4.np	scr(HMM:0.00085)
23036	OJ991001_02.0202.C10.p1.np	scr(HMM:6e-30)
23037	OJ991006_02.0113.C2.p6.np	scr(HMM:3.3e-30)
23038	OJ991008_04.0121.C11.p2.np	scr(HMM:7.5e-26)
23039	OJ991014_01.0111.C11.p1.np	scr(HMM:5e-101)
23040	OJ991107_32.9C13.C2.p1.np	scr(HMM:5.2e-158)
23041	OJ991109_13.0131.C3.p1.np	scr(HMM:4.8)
23042	OJ991112_08.0421.C1.p1.np	scr(HMM:6.5e-31)
23043	OJ991112_08.9C22.C1.p1.np	scr(HMM:2.1e-28)
23044	OJ991208_06.0107.C14.p1.np	scr(HMM:0.00052)
23045	OJ991208_06.0107.C8.p2.np	scr(HMM:0.00081)
23046	OJ991211_57.0228.C31.p1.np	scr(HMM:2.5e-46)
23047	OJ991215_06.0118.C6.p11.np	scr(HMM:3e-08)
23048	OJ000105_15.0207.C2.p3.np	set(HMM:4.6e-05)
23049	OJ000105_15.0207.C3.p1.np	set(HMM:0.94)
23050	OJ000105_15.0426.C2.p3.np	set(HMM:4.6e-05)
23051	OJ000105_15.0426.C3.p1.np	set(HMM:1.1)
23052	OJ000107_15.0222.C15.p5.np	set(HMM:3.5e-37)
23053	OJ000107_15.0426.C15.p5.np	set(HMM:3.5e-37)
23054	OJ000110_16.0302.C21.p3.np	set(HMM:9e-13)
23055	OJ000110_16.0426.C21.p3.np	set(HMM:9e-13)
23056	OJ000250_27.0208.C10.p3.np	set(HMM:1.2e-31)
23057	OJ000250_27.0303.C6.p3.np	set(HMM:5.9e-24)
23058	OJ000250_59.0214.C32.p3.np	set(HMM:3.1e-29)
23059	OJ000251_08.0218.C39.p1.np	set(HMM:1.4e-44)

23060	OJ000301_23.0419.C12.p2.np	set(HMM:8.4e-45)
23061	OJ000302_02.0419.C20.p2.np	set(HMM:3.7e-58)
23062	OJ000303_07.0419.C22.p1.np	set(HMM:7.4e-42)
23063	OJ000303_07.0419.C22.p2.np	set(HMM:1.5e-45)
23064	OJ000306_05.0419.C14.p1.np	set(HMM:1.5e-49)
23065	OJ000306_06.0403.C2.p1.np	set(HMM:2.5e-44)
23066	OJ000310_06.0417.C11.p1.np	set(HMM:5.7e-05)
23067	OJ000314_10.0411.C13.p1.np	set(HMM:4.8e-05)
23068	OJ000314_10.0411.C13.p2.np	set(HMM:0.0018)
23069	OJ000314_10.0420.C7.p1.np	set(HMM:4.8e-05)
23070	OJ000314_10.0420.C7.p2.np	set(HMM:0.0018)
23071	OJ000320_11.0419.C25.p1.np	set(HMM:3.9e-35)
23072	OJ000321_03.0417.C2.p6.np	set(HMM:5e-35)
23073	OJ000321_03.0426.C2.p6.np	set(HMM:5e-35)
23074	OJ000321_21.0419.C9.p1.np	set(HMM:1e-52)
23075	OJ000321_21.0419.C9.p2.np	set(HMM:2.1e-40)
23076	OJ000350_56.0322.C3.p3.np	set(HMM:5.8e-48)
23077	OJ990301_10.9B03.C4.p1.np	set(HMM:9.2e-45)
23078	OJ990311_06.0131.C68.p1.np	set(HMM:2.4e-45)
23079	OJ990317_09.0421.C23.p9.np	set(HMM:1.1e-53)
23080	OJ990317_09.9C20.C23.p9.np	set(HMM:1.1e-53)
23081	OJ990406_06.9819.C22.p1.np	set(HMM:4.5e-32)
23082	OJ990406_07.9C10.C3.p1.np	set(HMM:3e-06)
23083	OJ990428_08.9924.C35.p2.np	set(HMM:4.5e-32)
23084	OJ990428_08.9924.C48.p1.np	set(HMM:5.1e-16)
23085	OJ990430_01.9C03.C46.p2.np	set(HMM:3.6e-41)
23086	OJ990430_01.9C03.C64.p1.np	set(HMM:0.00017)
23087	OJ990502_29.9924.C2.p2.np	set(HMM:1.1e-53)
23088	OJ990504_02.9A01.C24.p1.np	set(HMM:1.3e-30)
23089	OJ990504_07.9C27.C5.p1.np	set(HMM:4.5e-32)
23090	OJ990504_07.9C27.C54.p1.np	set(HMM:3.8e-07)
23091	OJ990504_07.9C27.C84.p1.np	set(HMM:5.3e-06)
23092	OJ990520_35.9922.C6.p4.np	set(HMM:3.9e-55)
23093	OJ990524_07.0128.C11.p1.np	set(HMM:9.2e-45)
23094	OJ990528_13.9C10.C28.p1.np	set(HMM:6.3e-08)
23095	OJ990528_13.9C10.C29.p1.np	set(HMM:2.9e-45)
23096	OJ990708_04.9A01.C11.p1.np	set(HMM:7.8e-52)
23097	OJ990722_13.9C03.C2.p1.np	set(HMM:1.4e-54)
23098	OJ990810_10.9C23.C6.p1.np	set(HMM:1.7e-47)
23099	OJ990825_13.9B24.C11.p1.np	set(HMM:4.1e-06)
23100	OJ990903_12.9C01.C11.p1.np	set(HMM:8.5e-43)
23101	OJ990915_03.9B04.C20.p1.np	set(HMM:6e-07)
23102	OJ990915_17.9C23.C6.p1.np	set(HMM:2.2e-10)
23103	OJ990915_17.9C23.C7.p1.np	set(HMM:6.6e-12)
23104	OJ991021_11.0218.C10.p1.np	set(HMM:7.7e-08)
23105	OJ991021_11.0218.C11.p1.np	set(HMM:9.1e-18)
23106	OJ991101_12.0218.C10.p1.np	set(HMM:3.4e-52)
23107	OJ991121_39.0229.C39.p5.np	set(HMM:7.7e-08)
23108	OJ991121_39.0229.C39.p6.np	set(HMM:7.7e-08)
23109	OJ991121_39.0229.C40.p1.np	set(HMM:2e-30)
23110	OJ991201_06.0103.C13.p1.np	set(HMM:1.7e-13)
23111	OJ991201_08.9C23.C2.p3.np	set(HMM:1.1e-53)
23112	OJ991208_08.0128.C5.p1.np	set(HMM:1.3e-30)
23113	OJ991209_08.0222.C4.p9.np	set(HMM:1.3e-30)

23114	OJ991209_13.0301.C3.p5.np	set(HMM:1.7e-37)
23115	OJ000107_04.0210.C25.p1.np	snf2_n(HMM:1.9e-20)
23116	OJ000107_04.0210.C28.p1.np	snf2_n(HMM:5.7e-11)
23117	OJ000107_04.0426.C25.p1.np	snf2_n(HMM:1.9e-20)
23118	OJ000107_04.0426.C28.p1.np	snf2_n(HMM:5.7e-11)
23119	OJ000114_15.0310.C7.p4.np	snf2_n(HMM:1.3e-80)
23120	OJ000204_08.0317.C4.p1.np	snf2_n(HMM:2.9e-71)
23121	OJ000204_26.0307.C4.p1.np	snf2_n(HMM:2.8e-85)
23122	OJ000207_17.0306.C17.p1.np	snf2_n(HMM:4.7e-30)
23123	OJ000208_20.0301.C16.p2.np	snf2_n(HMM:0.00056)
23124	OJ000209_26.0229.C11.p1.np	snf2_n(HMM:1.5e-36)
23125	OJ000210_17.0322.C21.p3.np	snf2_n(HMM:1.2e-140)
23126	OJ000211_02.0327.C12.p2.np	snf2_n(HMM:9e-14)
23127	OJ000250_15.0222.C8.p1.np	snf2_n(HMM:1.1e-05)
23128	OJ000250_59.0214.C31.p1.np	snf2_n(HMM:2.6e-15)
23129	OJ000250_59.0214.C32.p1.np	snf2_n(HMM:0.043)
23130	OJ000251_35.0218.C16.p1.np	snf2_n(HMM:0.00017)
23131	OJ000251_35.0218.C49.p1.np	snf2_n(HMM:1e-05)
23132	OJ000251_48.0228.C31.p4.np	snf2_n(HMM:1.3e-101)
23133	OJ000314_02.0419.C3.p1.np	snf2_n(HMM:6.8e-10)
23134	OJ000314_10.0411.C3.p1.np	snf2_n(HMM:1.3e-72)
23135	OJ000314_10.0420.C1.p2.np	snf2_n(HMM:1.3e-56)
23136	OJ000314_10.0420.C1.p3.np	snf2_n(HMM:5.6e-70)
23137	OJ000314_10.0420.C1.p4.np	snf2_n(HMM:4e-17)
23138	OJ000314_10.0420.C1.p5.np	snf2_n(HMM:1.8e-67)
23139	OJ000315_15.0424.C12.p1.np	snf2_n(HMM:6.5e-76)
23140	OJ000321_27.0419.C10.p1.np	snf2_n(HMM:1.5e-07)
23141	OJ000330_24.0419.C10.p1.np	snf2_n(HMM:6.6e-10)
23142	OJ000350_62.0404.C6.p5.np	snf2_n(HMM:1.3e-80)
23143	OJ000350_67.0328.C16.p1.np	snf2_n(HMM:4.9e-05)
23144	OJ000350_67.0328.C17.p1.np	snf2_n(HMM:0.072)
23145	OJ990311_09.9819.C15.p6.np	snf2_n(HMM:3.1e-07)
23146	OJ990318_06.0228.C43.p1.np	snf2_n(HMM:9.8e-101)
23147	OJ990323_18.0419.C7.p1.np	snf2_n(HMM:3.9e-123)
23148	OJ990405_09.9819.C3.p1.np	snf2_n(HMM:0.0049)
23149	OJ990423_06.9819.C10.p1.np	snf2_n(HMM:9.9e-137)
23150	OJ990423_06.9819.C11.p1.np	snf2_n(HMM:1e-55)
23151	OJ990423_06.9819.C26.p1.np	snf2_n(HMM:1e-56)
23152	OJ990428_26.9819.C15.p2.np	snf2_n(HMM:0.002)
23153	OJ990428_26.9819.C16.p1.np	snf2_n(HMM:0.00051)
23154	OJ990428_26.9819.C16.p2.np	snf2_n(HMM:0.0064)
23155	OJ990503_03.9A01.C4.p1.np	snf2_n(HMM:5.6e-05)
23156	OJ990517_13.9A08.C12.p1.np	snf2_n(HMM:1.2e-16)
23157	OJ990517_13.9A08.C6.p2.np	snf2_n(HMM:8.8e-129)
23158	OJ990520_14.9B12.C36.p2.np	snf2_n(HMM:5.1e-08)
23159	OJ990520_22.9A22.C6.p1.np	snf2_n(HMM:0.071)
23160	OJ990618_12.9921.C48.p1.np	snf2_n(HMM:3.1e-45)
23161	OJ990619_53.9A29.C12.p1.np	snf2_n(HMM:0.0011)
23162	OJ990721_06.9B05.C3.p1.np	snf2_n(HMM:2.6e-117)
23163	OJ990808_45.9C06.C7.p1.np	snf2_n(HMM:2.5e-13)
23164	OJ990823_02.9B15.C1.p1.np	snf2_n(HMM:2.9e-06)
23165	OJ990903_13.0225.C30.p1.np	snf2_n(HMM:2.6e-137)
23166	OJ991015_03.0302.C2.p1.np	snf2_n(HMM:6.4e-06)
23167	OJ991022_17.0225.C19.p1.np	snf2_n(HMM:1.5e-65)

23168	OJ991113_45.0419.C6.p1.np	snf2_n(HMM:4.1e-13)
23169	OJ991201_14.0118.C4.p6.np	snf2_n(HMM:0.0065)
23170	OJ991211_57.0228.C38.p3.np	snf2_n(HMM:1.3e-101)
23171	OJ991215_18.0306.C28.p2.np	snf2_n(HMM:5.3e-139)
23172	OJ000103_03.0204.C2.p4.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23173	OJ000103_03.0426.C2.p4.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23174	OJ000118_23.0419.C64.p1.np	snf2_n(HMM:2.3e-06),zf-c3hc4(HMM:0.0029)
23175	OJ000250_59.0214.C30.p7.np	snf2_n(HMM:2.1e-06),zf-c3hc4(HMM:0.015)
23176	OJ000250_70.0214.C7.p2.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23177	OJ000250_70.0303.C3.p2.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23178	OJ000302_03.0407.C10.p1.np	snf2_n(HMM:6.1e-98),zf-c3hc4(HMM:0.11)
23179	OJ000320_32.0419.C1.p1.np	snf2_n(HMM:1.1e-12),zf-c3hc4(HMM:0.0077)
23180	OJ000350_43.0317.C20.p1.np	snf2_n(HMM:1.9e-40),zf-c3hc4(HMM:4.4e-10)
23181	OJ990405_09.9819.C35.p1.np	snf2_n(HMM:7.3e-43),zf-c3hc4(HMM:4.4e-10)
23182	OJ990517_12.9A29.C9.p1.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23183	OJ990527_20.0419.C58.p2.np	snf2_n(HMM:1.3e-39),zf-c3hc4(HMM:4.4e-10)
23184	OJ990619_46.0103.C7.p1.np	snf2_n(HMM:4.1e-92),zf-c3hc4(HMM:0.0077)
23185	OJ990826_03.0103.C11.p1.np	snf2_n(HMM:4.2e-53),zf-c3hc4(HMM:2.5e-09)
23186	OJ991028_10.0118.C2.p1.np	snf2_n(HMM:8e-91),zf-c3hc4(HMM:0.0077)
23187	OJ991119_18.9C21.C30.p1.np	snf2_n(HMM:1.8e-90),zf-c3hc4(HMM:0.0019)
23188	OJ000103_03.0204.C2.p2.np	snf2_n(HMM:1.9e-95),zf-c3hc4(HMM:0.0077),zf-cchc(HMM:0.006)
23189	OJ000103_03.0426.C2.p2.np	snf2_n(HMM:1.9e-95),zf-c3hc4(HMM:0.0077),zf-cchc(HMM:0.006)
23190	OJ000112_18.0224.C6.p1.np	srf-tf(HMM:6.7e-36)
23191	OJ000112_18.0426.C6.p1.np	srf-tf(HMM:6.7e-36)
23192	OJ000113_15.0210.C12.p4.np	srf-tf(HMM:2e-32)
23193	OJ000126_02.0303.C22.p1.np	srf-tf(HMM:2.2e-31)
23194	OJ000150_15.0124.C22.p1.np	srf-tf(HMM:3.7e-35)
23195	OJ000150_17.0124.C78.p1.np	srf-tf(HMM:0.27)
23196	OJ000150_24.0124.C1.p1.np	srf-tf(HMM:3.9e-36)
23197	OJ000150_31.0124.C18.p1.np	srf-tf(HMM:0.27)
23198	OJ000150_31.0124.C19.p1.np	srf-tf(HMM:0.47)
23199	OJ000150_31.0124.C41.p1.np	srf-tf(HMM:0.27)
23200	OJ000207_26.0419.C7.p1.np	srf-tf(HMM:3.1e-18)
23201	OJ000209_11.0307.C6.p2.np	srf-tf(HMM:8.4e-23)

23202	OJ000209_23.0320.C9.p1.np	srf-tf(HMM:6.1e-28)
23203	OJ000210_21.0419.C15.p3.np	srf-tf(HMM:2.1e-29)
23204	OJ000217_13.0320.C4.p2.np	srf-tf(HMM:8.6e-27)
23205	OJ000224_03.0404.C5.p1.np	srf-tf(HMM:1.7e-23)
23206	OJ000250_82.0320.C49.p1.np	srf-tf(HMM:4.2e-34)
23207	OJ000251_33.0331.C49.p1.np	srf-tf(HMM:1.1e-06)
23208	OJ000251_34.0303.C14.p2.np	srf-tf(HMM:2.2e-31)
23209	OJ000301_17.0410.C6.p1.np	srf-tf(HMM:3.4e-15)
23210	OJ000320_35.0412.C11.p1.np	srf-tf(HMM:7.7e-34)
23211	OJ000321_12.0419.C7.p1.np	srf-tf(HMM:6.7e-36)
23212	OJ000330_19.0419.C16.p1.np	srf-tf(HMM:1.7e-30)
23213	OJ000404_14.0424.C22.p1.np	srf-tf(HMM:2.1e-29)
23214	OJ990202_02.9819.C25.p1.np	srf-tf(HMM:3.8e-30)
23215	OJ990318_15.9819.C2.p4.np	srf-tf(HMM:5.6e-22)
23216	OJ990318_15.9819.C2.p7.np	srf-tf(HMM:5.6e-22)
23217	OJ990324_01.0103.C51.p1.np	srf-tf(HMM:1.5e-10)
23218	OJ990409_09.0204.C119.p1.np	srf-tf(HMM:1.8e-11)
23219	OJ990409_10.9922.C13.p2.np	srf-tf(HMM:2.8e-19)
23220	OJ990421_05.9C03.C12.p1.np	srf-tf(HMM:1.8e-28)
23221	OJ990421_05.9C03.C38.p1.np	srf-tf(HMM:9.5e-22)
23222	OJ990421_22.9A01.C41.p1.np	srf-tf(HMM:4e-18)
23223	OJ990510_04.9919.C19.p1.np	srf-tf(HMM:0.27)
23224	OJ990527_36.9922.C5.p1.np	srf-tf(HMM:1.1e-15)
23225	OJ990528_02.9A25.C9.p1.np	srf-tf(HMM:2.8e-34)
23226	OJ990618_10.9C10.C14.p1.np	srf-tf(HMM:2.8e-19)
23227	OJ990620_35.0114.C10.p2.np	srf-tf(HMM:6.7e-36)
23228	OJ990713_05.9924.C3.p2.np	srf-tf(HMM:5.6e-15)
23229	OJ990714_02.9C17.C11.p4.np	srf-tf(HMM:1.2e-10)
23230	OJ990822_51.9C23.C7.p2.np	srf-tf(HMM:1.4e-22)
23231	OJ990823_06.9B03.C13.p1.np	srf-tf(HMM:1e-38)
23232	OJ990826_02.9B04.C1.p1.np	srf-tf(HMM:1.1e-32)
23233	OJ990915_06.9B15.C22.p1.np	srf-tf(HMM:1.7e-31)
23234	OJ990923_18.9B12.C11.p1.np	srf-tf(HMM:0.47)
23235	OJ991012_15.0225.C4.p1.np	srf-tf(HMM:3.5e-07)
23236	OJ991020_07.0202.C14.p3.np	srf-tf(HMM:1.2e-32)
23237	OJ991027_09.0207.C3.p1.np	srf-tf(HMM:5.2e-23)
23238	OJ991112_16.0104.C7.p3.np	srf-tf(HMM:5.6e-22)
23239	OJ991113_34.0421.C10.p2.np	srf-tf(HMM:7.2e-29)
23240	OJ991113_34.9C27.C28.p3.np	srf-tf(HMM:7.2e-29)
23241	OJ991117_15.0331.C5.p1.np	srf-tf(HMM:1.1e-15)
23242	OJ991122_19.0330.C3.p1.np	srf-tf(HMM:1.8e-11)
23243	OJ991208_01.0110.C8.p4.np	srf-tf(HMM:2.2e-21)
23244	OJ991208_14.0104.C2.p1.np	srf-tf(HMM:0.27)
23245	OJ991214_09.0112.C5.p4.np	srf-tf(HMM:0.27)
23246	OJ000113_05.0222.C1.p1.np	tbp(HMM:8.2e-06)
23247	OJ000113_05.0222.C14.p1.np	tbp(HMM:0.0033)
23248	OJ000113_05.0426.C1.p1.np	tbp(HMM:8.2e-06)
23249	OJ000113_05.0426.C14.p1.np	tbp(HMM:0.0033)
23250	OJ000102_56.0407.C45.p3.np	teo(HMM:1.6e-18)
23251	OJ000102_56.0426.C45.p3.np	teo(HMM:1.6e-18)
23252	OJ000110_19.0303.C9.p1.np	teo(HMM:2.2e-35)
23253	OJ000110_19.0426.C9.p1.np	teo(HMM:2.2e-35)
23254	OJ000113_22.0225.C12.p1.np	teo(HMM:2.7e-32)
23255	OJ000209_20.0313.C23.p1.np	teo(HMM:5.6e-17)

23256	OJ000211_08.0323.C6.p1.np	teo(HMM:3.8e-05)
23257	OJ000250_48.0211.C10.p2.np	teo(HMM:6.1e-05)
23258	OJ000251_42.0328.C11.p3.np	teo(HMM:1.5e-22)
23259	OJ000301_06.0419.C13.p1.np	teo(HMM:1.5e-30)
23260	OJ000310_32.0419.C7.p2.np	teo(HMM:3.1e-33)
23261	OJ000313_06.0419.C23.p4.np	teo(HMM:2.1)
23262	OJ000314_10.0411.C5.p3.np	teo(HMM:3.9e-09)
23263	OJ000314_10.0420.C2.p3.np	teo(HMM:3.9e-09)
23264	OJ000314_31.0419.C6.p1.np	teo(HMM:2.7e-37)
23265	OJ000315_29.0419.C13.p1.np	teo(HMM:2.7e-37)
23266	OJ000317_14.0419.C14.p2.np	teo(HMM:2.7e-30)
23267	OJ000321_12.0419.C13.p1.np	teo(HMM:1.9e-30)
23268	OJ000321_38.0419.C16.p2.np	teo(HMM:6e-23)
23269	OJ000323_34.0420.C12.p3.np	teo(HMM:2.1)
23270	OJ000328_06.0419.C18.p1.np	teo(HMM:3e-33)
23271	OJ000350_56.0322.C10.p2.np	teo(HMM:9.2e-31)
23272	OJ990408_08.9B12.C37.p1.np	teo(HMM:9.2e-31)
23273	OJ990421_04.9919.C46.p3.np	teo(HMM:8.1e-06)
23274	OJ990526_03.9B05.C13.p3.np	teo(HMM:2.1)
23275	OJ990620_35.0114.C7.p6.np	teo(HMM:1.9e-30)
23276	OJ990729_12.9B19.C18.p1.np	teo(HMM:1.5e-30)
23277	OJ990810_10.9C23.C9.p2.np	teo(HMM:5e-25)
23278	OJ990821_61.9C20.C7.p4.np	teo(HMM:1.2e-27)
23279	OJ990821_61.9C20.C7.p5.np	teo(HMM:6.2e-26)
23280	OJ991007_18.0120.C6.p3.np	teo(HMM:3.7e-30)
23281	OJ991013_10.0110.C11.p1.np	teo(HMM:5.9e-41)
23282	OJ991119_17.0126.C12.p1.np	teo(HMM:3.1e-33)
23283	OJ991202_05.0421.C2.p6.np	teo(HMM:9.2e-31)
23284	OJ991202_05.9C30.C2.p6.np	teo(HMM:9.2e-31)
23285	OJ991217_20.0218.C9.p4.np	teo(HMM:1.9e-35)
23286	OJ000221_24.0315.C6.p2.np	tfiis(HMM:0.0067)
23287	OJ000229_15.0419.C10.p3.np	tfiis(HMM:7.5e-22)
23288	OJ000302_11.0403.C6.p4.np	tfiis(HMM:1.1e-17)
23289	OJ000350_70.0328.C6.p6.np	tfiis(HMM:7.5e-22)
23290	OJ000350_70.0328.C6.p7.np	tfiis(HMM:7.5e-22)
23291	OJ990430_12.9927.C7.p2.np	tfiis(HMM:5.5e-13)
23292	OJ991027_14.0308.C27.p1.np	tfiis(HMM:7.5e-22)
23293	OJ991113_35.0112.C2.p8.np	tfiis(HMM:1.1e-17)
23294	OJ000350_16.0419.C47.p1.np	tfiis(HMM:0.095),zf-c2h2(HMM:1.2e-08)
23295	OJ000122_36.0307.C39.p1.np	transcript_fac2(HMM:9.3e-28)
23296	OJ000250_93.0307.C13.p1.np	transcript_fac2(HMM:9.3e-28)
23297	OJ990308_11.0307.C15.p1.np	transcript_fac2(HMM:7.8e-09)
23298	OJ990602_03.0107.C39.p1.np	transcript_fac2(HMM:3e-46)
23299	OJ990602_03.0107.C4.p1.np	transcript_fac2(HMM:2.8e-20)
23300	OJ990823_08.9B10.C5.p2.np	transcript_fac2(HMM:9.5e-57)
23301	OJ000118_12.0215.C22.p1.np	trihelix(HMM:2.4e-10)
23302	OJ000125_02.0303.C27.p1.np	trihelix(HMM:0.28)
23303	OJ000223_09.0322.C5.p2.np	trihelix(HMM:2.2e-47)
23304	OJ000250_76.0214.C15.p1.np	trihelix(HMM:2.1)
23305	OJ000251_26.0303.C7.p1.np	trihelix(HMM:0.28)
23306	OJ000251_26.0303.C7.p2.np	trihelix(HMM:0.28)
23307	OJ000251_26.0323.C8.p1.np	trihelix(HMM:0.28)
23308	OJ000251_26.0323.C8.p2.np	trihelix(HMM:0.28)

23309	OJ000310_06.0417.C14.p1.np	trihelix(HMM:1.3e-05)
23310	OJ000316_09.0419.C39.p1.np	trihelix(HMM:4.4e-20)
23311	OJ990318_06.0228.C89.p1.np	trihelix(HMM:8.4e-07)
23312	OJ990408_08.9B12.C14.p1.np	trihelix(HMM:2.4e-11)
23313	OJ990408_08.9B12.C30.p1.np	trihelix(HMM:9.9e-125)
23314	OJ990421_23.9923.C5.p1.np	trihelix(HMM:3.7e-118)
23315	OJ990429_24.0128.C28.p1.np	trihelix(HMM:1.5e-55)
23316	OJ990429_24.0128.C29.p1.np	trihelix(HMM:1.6e-60)
23317	OJ990501_23.9C03.C1.p5.np	trihelix(HMM:0.00063)
23318	OJ990517_24.9A01.C32.p1.np	trihelix(HMM:2.6e-21)
23319	OJ990831_01.0419.C11.p1.np	trihelix(HMM:8.1e-59)
23320	OJ990831_01.0419.C12.p1.np	trihelix(HMM:5e-56)
23321	OJ990915_06.9B15.C10.p1.np	trihelix(HMM:2.1e-46)
23322	OJ990923_10.9A29.C13.p1.np	trihelix(HMM:0.00013)
23323	OJ991110_16.0410.C18.p1.np	trihelix(HMM:1.5e-55)
23324	OJ991110_16.0410.C19.p1.np	trihelix(HMM:1.2e-08)
23325	OJ991202_15.0118.C1.p5.np	trihelix(HMM:0.022)
23326	OJ000110_03.0426.C14.p1.np	wrky(HMM:8.4e-17)
23327	OJ000110_04.0426.C19.p2.np	wrky(HMM:2.1e-38)
23328	OJ000110_04.0426.C7.p2.np	wrky(HMM:1.5e-43)
23329	OJ000111_13.0222.C2.p1.np	wrky(HMM:6.1e-24)
23330	OJ000111_13.0426.C2.p1.np	wrky(HMM:6.1e-24)
23331	OJ000114_19.0307.C8.p3.np	wrky(HMM:6e-87)
23332	OJ000119_08.0302.C10.p3.np	wrky(HMM:3.5e-22)
23333	OJ000122_44.0406.C9.p3.np	wrky(HMM:6.4e-41)
23334	OJ000130_45.0328.C11.p1.np	wrky(HMM:1.4e-20)
23335	OJ000130_45.0328.C3.p6.np	wrky(HMM:3.1e-29)
23336	OJ000150_00.0124.C17.p1.np	wrky(HMM:1.3e-36)
23337	OJ000150_00.0124.C61.p1.np	wrky(HMM:4.7e-36)
23338	OJ000207_27.0406.C33.p1.np	wrky(HMM:8.3e-44)
23339	OJ000208_25.0419.C15.p1.np	wrky(HMM:1.8e-40)
23340	OJ000210_10.0307.C3.p1.np	wrky(HMM:3.2e-34)
23341	OJ000216_03.0330.C44.p1.np	wrky(HMM:2.6e-37)
23342	OJ000217_16.0403.C2.p3.np	wrky(HMM:8.4e-28)
23343	OJ000222_09.0330.C10.p5.np	wrky(HMM:5.3e-39)
23344	OJ000222_15.0406.C2.p7.np	wrky(HMM:1.8e-07)
23345	OJ000229_06.0323.C14.p3.np	wrky(HMM:4.3e-36)
23346	OJ000250_12.0209.C20.p2.np	wrky(HMM:6.6e-14)
23347	OJ000250_31.0217.C50.p1.np	wrky(HMM:3.1e-36)
23348	OJ000250_52.0214.C21.p2.np	wrky(HMM:3.7e-76)
23349	OJ000251_09.0406.C4.p1.np	wrky(HMM:7.8e-28)
23350	OJ000251_45.0217.C20.p1.np	wrky(HMM:6.1e-40)
23351	OJ000251_47.0320.C15.p1.np	wrky(HMM:2.1e-38)
23352	OJ000301_27.0419.C18.p1.np	wrky(HMM:3.2e-32)
23353	OJ000303_03.0419.C12.p1.np	wrky(HMM:2.8e-41)
23354	OJ000303_13.0407.C26.p3.np	wrky(HMM:3.2e-32)
23355	OJ000307_27.0419.C17.p2.np	wrky(HMM:7.1e-35)
23356	OJ000307_28.0417.C2.p1.np	wrky(HMM:2.2e-38)
23357	OJ000310_09.0419.C25.p1.np	wrky(HMM:1.5e-34)
23358	OJ000310_18.0418.C8.p1.np	wrky(HMM:1.6e-31)
23359	OJ000310_18.0418.C9.p1.np	wrky(HMM:2.6e-39)
23360	OJ000314_32.0412.C7.p2.np	wrky(HMM:6.6e-33)
23361	OJ000314_36.0419.C13.p3.np	wrky(HMM:7.1e-35)
23362	OJ000314_36.0419.C4.p2.np	wrky(HMM:8.7e-34)

23363	OJ000320_17.0420.C7.p1.np	wrky(HMM:8.4e-39)
23364	OJ000320_21.0419.C22.p1.np	wrky(HMM:8.9e-39)
23365	OJ000320_21.0419.C7.p1.np	wrky(HMM:3.2e-34)
23366	OJ000321_11.0419.C16.p1.np	wrky(HMM:8.9e-39)
23367	OJ000323_08.0419.C11.p1.np	wrky(HMM:7.6e-41)
23368	OJ000327_14.0420.C20.p2.np	wrky(HMM:1.5e-22)
23369	OJ000327_14.0420.C24.p4.np	wrky(HMM:8.3e-21)
23370	OJ000327_16.0420.C33.p2.np	wrky(HMM:7.2e-37)
23371	OJ000327_24.0425.C25.p1.np	wrky(HMM:6.6e-40)
23372	OJ000328_19.0419.C27.p3.np	wrky(HMM:1.5e-34)
23373	OJ000330_26.0419.C29.p1.np	wrky(HMM:1.5e-09)
23374	OJ000331_02.0419.C17.p1.np	wrky(HMM:1.7)
23375	OJ000331_10.0419.C14.p2.np	wrky(HMM:4.8e-36)
23376	OJ000350_24.0314.C17.p3.np	wrky(HMM:1.1e-91)
23377	OJ000350_55.0419.C10.p1.np	wrky(HMM:0.00044)
23378	OJ000350_56.0322.C6.p1.np	wrky(HMM:9.9e-14)
23379	OJ000350_56.0322.C7.p2.np	wrky(HMM:0.00025)
23380	OJ000350_58.0327.C33.p2.np	wrky(HMM:5.4e-12)
23381	OJ000403_18.0419.C10.p2.np	wrky(HMM:1e-34)
23382	OJ000404_07.0421.C1.p1.np	wrky(HMM:6e-87)
23383	OJ990323_15.9A11.C3.p1.np	wrky(HMM:4.7e-36)
23384	OJ990325_03.9A14.C37.p3.np	wrky(HMM:0.44)
23385	OJ990402_32.9819.C8.p3.np	wrky(HMM:2.1e-37)
23386	OJ990414_06.9C10.C5.p2.np	wrky(HMM:3.9e-88)
23387	OJ990414_10.9819.C2.p3.np	wrky(HMM:4.2e-36)
23388	OJ990414_11.9819.C10.p3.np	wrky(HMM:1.8e-44)
23389	OJ990415_08.9922.C11.p5.np	wrky(HMM:3.9e-88)
23390	OJ990421_05.9C03.C27.p1.np	wrky(HMM:5.1e-23)
23391	OJ990428_05.9819.C11.p1.np	wrky(HMM:0.11)
23392	OJ990428_05.9819.C26.p1.np	wrky(HMM:1.5e-09)
23393	OJ990428_05.9819.C57.p1.np	wrky(HMM:0.027)
23394	OJ990428_05.9819.C75.p1.np	wrky(HMM:0.0014)
23395	OJ990428_26.9819.C11.p2.np	wrky(HMM:0.0042)
23396	OJ990428_26.9819.C12.p1.np	wrky(HMM:1.5e-07)
23397	OJ990503_08.9924.C52.p3.np	wrky(HMM:1.5e-18)
23398	OJ990503_08.9924.C74.p1.np	wrky(HMM:2.6e-08)
23399	OJ990503_08.9924.C96.p3.np	wrky(HMM:0.31)
23400	OJ990524_11.9921.C11.p2.np	wrky(HMM:5.4e-12)
23401	OJ990528_01.9921.C25.p1.np	wrky(HMM:1.1e-46)
23402	OJ990528_10.0419.C12.p1.np	wrky(HMM:2.5e-12)
23403	OJ990528_10.0419.C75.p1.np	wrky(HMM:3e-44)
23404	OJ990603_08.0419.C13.p1.np	wrky(HMM:2.4e-09)
23405	OJ990605_41.0225.C1.p2.np	wrky(HMM:7.2e-43)
23406	OJ990612_30.9B05.C22.p1.np	wrky(HMM:1.9e-35)
23407	OJ990617_02.9B01.C14.p1.np	wrky(HMM:8.4e-17)
23408	OJ990627_47.9A01.C11.p1.np	wrky(HMM:1.2e-15)
23409	OJ990627_47.9A01.C12.p4.np	wrky(HMM:7.3e-23)
23410	OJ990627_47.9A01.C7.p1.np	wrky(HMM:8.3e-21)
23411	OJ990627_47.9A01.C9.p1.np	wrky(HMM:2.1e-20)
23412	OJ990709_08.9C10.C2.p2.np	wrky(HMM:6e-87)
23413	OJ990716_09.9B08.C2.p1.np	wrky(HMM:3.8e-46)
23414	OJ990802_09.9B24.C2.p1.np	wrky(HMM:1.1e-78)
23415	OJ990802_12.0218.C46.p1.np	wrky(HMM:1.9e-05)
23416	OJ990804_05.9B12.C17.p1.np	wrky(HMM:1.5e-09)

23417	OJ990804_05.9B12.C18.p1.np	wrky(HMM:0.0014)
23418	OJ990810_10.9C23.C2.p1.np	wrky(HMM:3.5e-37)
23419	OJ990818_16.9C10.C39.p3.np	wrky(HMM:4.3e-36)
23420	OJ990820_06.0215.C5.p1.np	wrky(HMM:5.3e-39)
23421	OJ990821_61.9C20.C7.p1.np	wrky(HMM:8.3e-44)
23422	OJ990825_14.9B15.C13.p1.np	wrky(HMM:6.1e-28)
23423	OJ990825_14.9B15.C13.p2.np	wrky(HMM:3.7e-09)
23424	OJ990825_14.9B15.C3.p1.np	wrky(HMM:1.5e-20)
23425	OJ990826_07.0103.C10.p3.np	wrky(HMM:2.8e-41)
23426	OJ990908_19.9C10.C15.p2.np	wrky(HMM:6.7e-05)
23427	OJ990913_14.9B19.C18.p3.np	wrky(HMM:2.8e-41)
23428	OJ990917_16.9B08.C13.p1.np	wrky(HMM:7.6e-41)
23429	OJ991022_09.0210.C10.p4.np	wrky(HMM:4.6e-20)
23430	OJ991022_09.0210.C14.p3.np	wrky(HMM:6.5e-18)
23431	OJ991026_12.0202.C2.p1.np	wrky(HMM:0.017)
23432	OJ991026_12.0202.C3.p1.np	wrky(HMM:1.5e-14)
23433	OJ991028_05.0211.C2.p1.np	wrky(HMM:7.6e-41)
23434	OJ991106_42.0103.C4.p1.np	wrky(HMM:4.6e-40)
23435	OJ991108_07.0125.C2.p4.np	wrky(HMM:9.5e-08)
23436	OJ991109_03.0218.C14.p1.np	wrky(HMM:8.4e-17)
23437	OJ991110_15.0218.C9.p3.np	wrky(HMM:4.1e-39)
23438	OJ991114_35.0419.C23.p1.np	wrky(HMM:1.3e-39)
23439	OJ991202_08.0421.C36.p6.np	wrky(HMM:7.6e-41)
23440	OJ991202_08.9C30.C35.p1.np	wrky(HMM:7.6e-41)
23441	OJ991203_01.0128.C6.p3.np	wrky(HMM:4.8e-39)
23442	OJ991214_03.0114.C4.p2.np	wrky(HMM:1.2e-23)
23443	OJ991216_02.0218.C15.p2.np	wrky(HMM:5.1e-36)
23444	OJ991216_03.0419.C6.p2.np	wrky(HMM:2.8e-41)
23445	OJ991217_03.0211.C3.p4.np	wrky(HMM:6.1e-41)
23446	OJ991217_03.0303.C3.p3.np	wrky(HMM:6.1e-41)
23447	OJ991220_02.0127.C2.p1.np	wrky(HMM:3.2e-32)
23448	OJ991226_43.0315.C5.p1.np	wrky(HMM:7.6e-41)
23449	OJ991226_43.0315.C5.p2.np	wrky(HMM:7.6e-41)
23450	OJ000118_04.0218.C6.p5.np	zf-b_box(HMM:0.0033),zf-constans(HMM:6.2e-20)
23451	OJ000118_04.0310.C5.p5.np	zf-b_box(HMM:0.0033),zf-constans(HMM:6.2e-20)
23452	OJ000207_11.0306.C7.p1.np	zf-b_box(HMM:0.0033),zf-constans(HMM:6.2e-20)
23453	OJ000223_06.0316.C8.p4.np	zf-b_box(HMM:0.00017),zf-constans(HMM:1.7e-42)
23454	OJ990315_09.0128.C10.p1.np	zf-b_box(HMM:0.02),zf-constans(HMM:2.5e-26)
23455	OJ990315_09.0421.C10.p1.np	zf-b_box(HMM:0.02),zf-constans(HMM:2.5e-26)
23456	OJ990503_29.9919.C6.p2.np	zf-b_box(HMM:0.0038),zf-constans(HMM:1.7e-34)
23457	OJ990605_32.9C03.C4.p4.np	zf-b_box(HMM:0.017),zf-constans(HMM:6.2e-20)
23458	OJ990701_09.9A01.C13.p1.np	zf-b_box(HMM:0.02),zf-constans(HMM:4.2e-41)
23459	OJ990808_36.9C20.C5.p6.np	zf-b_box(HMM:0.023),zf-constans(HMM:1.3e-15)
23460	OJ990810_03.0203.C7.p1.np	zf-b_box(HMM:0.0038),zf-

23461	OJ990810_08.0103.C12.p2.np	constans(HMM:1.7e-34) zf-b_box(HMM:0.0038),zf-
23462	OJ991106_43.0105.C8.p1.np	constans(HMM:1.7e-34) zf-b_box(HMM:0.02),zf-
23463	OJ991201_08.9C23.C3.p1.np	constans(HMM:2.5e-26) zf-b_box(HMM:0.079),zf-
23464	OJ000102_54.0426.C100.p1.np	constans(HMM:7.7e-30) zf-c2h2(HMM:1.2e-10)
23465	OJ000105_11.0214.C14.p1.np	zf-c2h2(HMM:0.0012)
23466	OJ000105_11.0310.C10.p4.np	zf-c2h2(HMM:0.0012)
23467	OJ000105_11.0426.C10.p4.np	zf-c2h2(HMM:0.0012)
23468	OJ000105_17.0207.C12.p3.np	zf-c2h2(HMM:0.00037)
23469	OJ000105_17.0426.C12.p3.np	zf-c2h2(HMM:0.00037)
23470	OJ000107_03.0207.C10.p1.np	zf-c2h2(HMM:0.003)
23471	OJ000107_03.0310.C11.p1.np	zf-c2h2(HMM:0.003)
23472	OJ000107_03.0426.C11.p1.np	zf-c2h2(HMM:0.003)
23473	OJ000108_54.0419.C5.p1.np	zf-c2h2(HMM:1.4e-06)
23474	OJ000108_54.0426.C5.p1.np	zf-c2h2(HMM:1.4e-06)
23475	OJ000113_09.0223.C8.p1.np	zf-c2h2(HMM:0.013)
23476	OJ000113_09.0426.C8.p1.np	zf-c2h2(HMM:0.013)
23477	OJ000115_33.0331.C30.p1.np	zf-c2h2(HMM:7e-12)
23478	OJ000150_34.0225.C11.p2.np	zf-c2h2(HMM:1.3e-10)
23479	OJ000150_34.0225.C11.p3.np	zf-c2h2(HMM:1.8e-06)
23480	OJ000210_18.0310.C10.p1.np	zf-c2h2(HMM:2.3e-09)
23481	OJ000210_18.0310.C2.p5.np	zf-c2h2(HMM:5.8e-05)
23482	OJ000210_24.0316.C2.p1.np	zf-c2h2(HMM:5.8e-05)
23483	OJ000214_02.0321.C8.p1.np	zf-c2h2(HMM:0.016)
23484	OJ000217_02.0313.C5.p1.np	zf-c2h2(HMM:0.0054)
23485	OJ000223_21.0327.C2.p2.np	zf-c2h2(HMM:1e-10)
23486	OJ000250_26.0225.C5.p1.np	zf-c2h2(HMM:1.4e-08)
23487	OJ000250_68.0211.C7.p2.np	zf-c2h2(HMM:0.0074)
23488	OJ000251_12.0217.C37.p1.np	zf-c2h2(HMM:3.9e-08)
23489	OJ000251_35.0218.C28.p4.np	zf-c2h2(HMM:4.6e-05)
23490	OJ000251_35.0218.C29.p1.np	zf-c2h2(HMM:0.00018)
23491	OJ000251_40.0303.C38.p1.np	zf-c2h2(HMM:2e-10)
23492	OJ000251_45.0217.C17.p1.np	zf-c2h2(HMM:1.8e-06)
23493	OJ000301_23.0419.C22.p1.np	zf-c2h2(HMM:0.091)
23494	OJ000306_05.0419.C29.p3.np	zf-c2h2(HMM:0.091)
23495	OJ000308_22.0419.C20.p2.np	zf-c2h2(HMM:0.0079)
23496	OJ000310_12.0419.C19.p1.np	zf-c2h2(HMM:8.9e-10)
23497	OJ000310_31.0425.C2.p3.np	zf-c2h2(HMM:0.071)
23498	OJ000313_16.0419.C47.p1.np	zf-c2h2(HMM:0.078)
23499	OJ000313_31.0421.C13.p1.np	zf-c2h2(HMM:3.4e-07)
23500	OJ000314_11.0421.C6.p1.np	zf-c2h2(HMM:0.025)
23501	OJ000316_14.0419.C28.p1.np	zf-c2h2(HMM:2.7e-07)
23502	OJ000321_17.0419.C13.p1.np	zf-c2h2(HMM:1e-10)
23503	OJ000322_05.0419.C9.p1.np	zf-c2h2(HMM:0.027)
23504	OJ000322_12.0424.C17.p1.np	zf-c2h2(HMM:0.00037)
23505	OJ000322_17.0419.C9.p1.np	zf-c2h2(HMM:0.003)
23506	OJ000324_27.0420.C35.p1.np	zf-c2h2(HMM:1.2e-08)
23507	OJ000327_15.0424.C39.p1.np	zf-c2h2(HMM:1.8e-06)
23508	OJ000327_15.0424.C39.p2.np	zf-c2h2(HMM:1.3e-10)
23509	OJ000327_26.0417.C24.p1.np	zf-c2h2(HMM:0.017)
23510	OJ000327_29.0419.C29.p2.np	zf-c2h2(HMM:5.6e-09)

23511	OJ000328_11.0419.C9.p1.np	zf-c2h2(HMM:5.4e-05)
23512	OJ000330_11.0419.C27.p3.np	zf-c2h2(HMM:1.1e-08)
23513	OJ000330_11.0419.C29.p1.np	zf-c2h2(HMM:2.7e-06)
23514	OJ000330_40.0424.C11.p1.np	zf-c2h2(HMM:6.8e-05)
23515	OJ000350_16.0419.C44.p1.np	zf-c2h2(HMM:1.7e-08)
23516	OJ000403_04.0421.C8.p1.np	zf-c2h2(HMM:1.7e-17)
23517	OJ000403_14.0419.C7.p1.np	zf-c2h2(HMM:0.013)
23518	OJ000404_22.0424.C14.p1.np	zf-c2h2(HMM:2.4e-08)
23519	OJ000404_22.0424.C27.p1.np	zf-c2h2(HMM:1.4e-08)
23520	OJ990301_08.9819.C35.p1.np	zf-c2h2(HMM:4.4e-06)
23521	OJ990301_09.9819.C4.p5.np	zf-c2h2(HMM:1.9e-08)
23522	OJ990301_10.9B03.C4.p2.np	zf-c2h2(HMM:4e-06)
23523	OJ990301_10.9B03.C4.p3.np	zf-c2h2(HMM:4e-06)
23524	OJ990318_08.9C23.C91.p2.np	zf-c2h2(HMM:1.6e-15)
23525	OJ990325_01.9C03.C15.p2.np	zf-c2h2(HMM:0.018)
23526	OJ990326_01.9C01.C19.p1.np	zf-c2h2(HMM:7.7e-11)
23527	OJ990326_01.9C01.C19.p2.np	zf-c2h2(HMM:3.8e-10)
23528	OJ990331_10.9A01.C5.p16.np	zf-c2h2(HMM:1.3e-10)
23529	OJ990412_04.9923.C27.p4.np	zf-c2h2(HMM:1.4e-08)
23530	OJ990415_12.9C10.C48.p2.np	zf-c2h2(HMM:1.4e-08)
23531	OJ990428_06.9A08.C33.p2.np	zf-c2h2(HMM:0.0022)
23532	OJ990429_07.9927.C27.p2.np	zf-c2h2(HMM:1.8e-11)
23533	OJ990430_01.9C03.C68.p1.np	zf-c2h2(HMM:1.6e-08)
23534	OJ990430_26.9B12.C13.p1.np	zf-c2h2(HMM:1.2e-29)
23535	OJ990502_23.9B12.C4.p1.np	zf-c2h2(HMM:0.078)
23536	OJ990517_24.9A01.C21.p2.np	zf-c2h2(HMM:7.6e-05)
23537	OJ990524_03.0103.C37.p1.np	zf-c2h2(HMM:0.041)
23538	OJ990524_07.0128.C28.p2.np	zf-c2h2(HMM:4e-06)
23539	OJ990527_24.9A20.C4.p2.np	zf-c2h2(HMM:0.00036)
23540	OJ990528_06.9C03.C33.p1.np	zf-c2h2(HMM:0.016)
23541	OJ990530_44.9819.C1.p8.np	zf-c2h2(HMM:5.4e-08)
23542	OJ990603_03.0419.C15.p1.np	zf-c2h2(HMM:0.059)
23543	OJ990706_08.9A01.C8.p2.np	zf-c2h2(HMM:1.1e-10)
23544	OJ990715_06.9A01.C3.p5.np	zf-c2h2(HMM:4.6e-10)
23545	OJ990716_06.9819.C17.p2.np	zf-c2h2(HMM:5.2e-06)
23546	OJ990726_04.9C03.C3.p10.np	zf-c2h2(HMM:2.4e-08)
23547	OJ990726_04.9C03.C3.p8.np	zf-c2h2(HMM:2.4e-08)
23548	OJ990804_01.9C17.C32.p2.np	zf-c2h2(HMM:1.3e-06)
23549	OJ990804_04.9C23.C43.p2.np	zf-c2h2(HMM:1.1e-10)
23550	OJ990804_14.9B12.C15.p1.np	zf-c2h2(HMM:1.1e-10)
23551	OJ990809_01.0303.C46.p1.np	zf-c2h2(HMM:2e-10)
23552	OJ990821_55.0110.C9.p2.np	zf-c2h2(HMM:0.1)
23553	OJ990822_42.0419.C67.p1.np	zf-c2h2(HMM:5e-08)
23554	OJ990825_07.9B16.C8.p2.np	zf-c2h2(HMM:0.013)
23555	OJ990827_09.0103.C27.p2.np	zf-c2h2(HMM:2.9e-08)
23556	OJ990914_01.9B05.C7.p3.np	zf-c2h2(HMM:2.2e-18)
23557	OJ990923_14.0228.C50.p1.np	zf-c2h2(HMM:3.2e-11)
23558	OJ991008_04.0121.C8.p1.np	zf-c2h2(HMM:1.7e-08)
23559	OJ991012_10.0127.C15.p1.np	zf-c2h2(HMM:3.4e-07)
23560	OJ991018_04.0211.C28.p1.np	zf-c2h2(HMM:5e-08)
23561	OJ991019_20.0419.C2.p3.np	zf-c2h2(HMM:1.7e-11)
23562	OJ991020_10.0119.C18.p1.np	zf-c2h2(HMM:0.0015)
23563	OJ991026_06.0218.C6.p2.np	zf-c2h2(HMM:1.8e-06)
23564	OJ991026_06.0218.C7.p1.np	zf-c2h2(HMM:1.3e-10)

23565	OJ991027_16.0118.C7.p1.np	zf-c2h2(HMM:8e-11)
23566	OJ991027_18.0118.C3.p3.np	zf-c2h2(HMM:0.017)
23567	OJ991101_02.0202.C11.p1.np	zf-c2h2(HMM:0.078)
23568	OJ991109_13.0131.C14.p1.np	zf-c2h2(HMM:5.1e-07)
23569	OJ991112_01.0403.C10.p4.np	zf-c2h2(HMM:2.2e-07)
23570	OJ991112_01.0403.C10.p6.np	zf-c2h2(HMM:2.2e-07)
23571	OJ991112_14.0128.C7.p3.np	zf-c2h2(HMM:1.7e-11)
23572	OJ991113_35.0112.C2.p1.np	zf-c2h2(HMM:1.9e-10)
23573	OJ991116_02.0215.C10.p1.np	zf-c2h2(HMM:2.1e-11)
23574	OJ991118_13.0111.C3.p3.np	zf-c2h2(HMM:1.8e-06)
23575	OJ991118_13.0111.C3.p4.np	zf-c2h2(HMM:1.3e-10)
23576	OJ991120_34.0419.C16.p1.np	zf-c2h2(HMM:1.7e-11)
23577	OJ991122_12.0229.C3.p5.np	zf-c2h2(HMM:9.2e-12)
23578	OJ991122_12.0229.C3.p6.np	zf-c2h2(HMM:9.2e-12)
23579	OJ991122_12.0229.C3.p7.np	zf-c2h2(HMM:9.2e-12)
23580	OJ991214_11.0127.C2.p4.np	zf-c2h2(HMM:5.2e-06)
23581	OJ991216_06.0211.C14.p1.np	zf-c2h2(HMM:5e-08)
23582	OJ991217_20.0218.C8.p4.np	zf-c2h2(HMM:0.078)
23583	OJ000102_65.0419.C26.p3.np	zf-c3hc4(HMM:1.2e-08)
23584	OJ000102_65.0426.C26.p3.np	zf-c3hc4(HMM:1.2e-08)
23585	OJ000102_74.0317.C4.p1.np	zf-c3hc4(HMM:0.00078)
23586	OJ000102_74.0426.C4.p1.np	zf-c3hc4(HMM:0.00078)
23587	OJ000102_77.0222.C11.p3.np	zf-c3hc4(HMM:6.2e-11)
23588	OJ000102_77.0310.C11.p3.np	zf-c3hc4(HMM:6.2e-11)
23589	OJ000102_77.0426.C11.p3.np	zf-c3hc4(HMM:6.2e-11)
23590	OJ000102_79.0301.C6.p1.np	zf-c3hc4(HMM:6.7e-07)
23591	OJ000102_79.0301.C6.p2.np	zf-c3hc4(HMM:1.9e-07)
23592	OJ000102_79.0414.C6.p1.np	zf-c3hc4(HMM:6.7e-07)
23593	OJ000102_79.0414.C6.p2.np	zf-c3hc4(HMM:1.9e-07)
23594	OJ000102_79.0426.C6.p1.np	zf-c3hc4(HMM:6.7e-07)
23595	OJ000102_79.0426.C6.p2.np	zf-c3hc4(HMM:1.9e-07)
23596	OJ000102_80.0307.C10.p3.np	zf-c3hc4(HMM:2.3e-12)
23597	OJ000102_80.0307.C5.p1.np	zf-c3hc4(HMM:3.8e-12)
23598	OJ000102_80.0307.C6.p8.np	zf-c3hc4(HMM:3e-08)
23599	OJ000102_80.0426.C10.p3.np	zf-c3hc4(HMM:2.3e-12)
23600	OJ000102_80.0426.C5.p1.np	zf-c3hc4(HMM:3.8e-12)
23601	OJ000102_80.0426.C6.p8.np	zf-c3hc4(HMM:3e-08)
23602	OJ000106_07.0222.C2.p1.np	zf-c3hc4(HMM:9.9e-09)
23603	OJ000106_07.0310.C6.p1.np	zf-c3hc4(HMM:9.9e-09)
23604	OJ000106_07.0426.C6.p1.np	zf-c3hc4(HMM:9.9e-09)
23605	OJ000107_04.0210.C11.p5.np	zf-c3hc4(HMM:9.4e-13)
23606	OJ000107_04.0426.C11.p5.np	zf-c3hc4(HMM:9.4e-13)
23607	OJ000108_55.0426.C29.p1.np	zf-c3hc4(HMM:0.014)
23608	OJ000110_02.0330.C82.p1.np	zf-c3hc4(HMM:4.6e-13)
23609	OJ000110_02.0426.C82.p1.np	zf-c3hc4(HMM:4.6e-13)
23610	OJ000110_09.0308.C27.p3.np	zf-c3hc4(HMM:3.6e-12)
23611	OJ000110_09.0426.C27.p3.np	zf-c3hc4(HMM:3.6e-12)
23612	OJ000112_19.0225.C22.p1.np	zf-c3hc4(HMM:1.4e-05)
23613	OJ000112_19.0225.C4.p1.np	zf-c3hc4(HMM:6.9e-08)
23614	OJ000112_19.0225.C5.p1.np	zf-c3hc4(HMM:5.6e-05)
23615	OJ000113_02.0211.C5.p1.np	zf-c3hc4(HMM:5.6e-11)
23616	OJ000113_02.0426.C5.p1.np	zf-c3hc4(HMM:5.6e-11)
23617	OJ000113_05.0222.C10.p2.np	zf-c3hc4(HMM:1e-07)
23618	OJ000113_05.0426.C10.p2.np	zf-c3hc4(HMM:1e-07)

23619	OJ000113_20.0203.C11.p1.np	zf-c3hc4(HMM:5.1e-08)
23620	OJ000113_21.0317.C9.p2.np	zf-c3hc4(HMM:5.7e-12)
23621	OJ000113_28.0218.C11.p1.np	zf-c3hc4(HMM:2e-08)
23622	OJ000114_10.0419.C2.p2.np	zf-c3hc4(HMM:3.4e-12)
23623	OJ000114_21.0216.C12.p2.np	zf-c3hc4(HMM:1.2e-12)
23624	OJ000115_47.0316.C1.p13.np	zf-c3hc4(HMM:2.8e-09)
23625	OJ000115_47.0316.C1.p5.np	zf-c3hc4(HMM:2.8e-09)
23626	OJ000115_47.0316.C1.p6.np	zf-c3hc4(HMM:2.8e-09)
23627	OJ000116_39.0419.C9.p2.np	zf-c3hc4(HMM:0.0024)
23628	OJ000118_02.0222.C5.p2.np	zf-c3hc4(HMM:2e-09)
23629	OJ000118_02.0222.C9.p2.np	zf-c3hc4(HMM:6.5e-14)
23630	OJ000118_13.0419.C26.p2.np	zf-c3hc4(HMM:9.6e-12)
23631	OJ000118_16.0301.C12.p1.np	zf-c3hc4(HMM:3.4e-12)
23632	OJ000118_16.0317.C13.p2.np	zf-c3hc4(HMM:3.4e-12)
23633	OJ000118_18.0322.C5.p1.np	zf-c3hc4(HMM:0.0016)
23634	OJ000118_20.0222.C19.p2.np	zf-c3hc4(HMM:3.5e-09)
23635	OJ000118_24.0307.C22.p2.np	zf-c3hc4(HMM:6.9e-09)
23636	OJ000119_23.0229.C24.p1.np	zf-c3hc4(HMM:5.9e-11)
23637	OJ000122_55.0307.C17.p3.np	zf-c3hc4(HMM:8.3e-11)
23638	OJ000125_20.0303.C5.p6.np	zf-c3hc4(HMM:5e-10)
23639	OJ000130_35.0323.C23.p1.np	zf-c3hc4(HMM:0.0073)
23640	OJ000150_00.0124.C58.p1.np	zf-c3hc4(HMM:0.0005)
23641	OJ000150_19.0124.C4.p1.np	zf-c3hc4(HMM:0.23)
23642	OJ000150_20.0124.C6.p1.np	zf-c3hc4(HMM:1e-11)
23643	OJ000150_20.0124.C8.p4.np	zf-c3hc4(HMM:5e-11)
23644	OJ000150_32.0124.C25.p1.np	zf-c3hc4(HMM:4.6e-06)
23645	OJ000203_06.0316.C4.p2.np	zf-c3hc4(HMM:1e-13)
23646	OJ000207_09.0306.C3.p6.np	zf-c3hc4(HMM:0.0031)
23647	OJ000207_09.0306.C3.p7.np	zf-c3hc4(HMM:0.0031)
23648	OJ000207_18.0323.C21.p5.np	zf-c3hc4(HMM:3.4e-12)
23649	OJ000207_18.0323.C23.p1.np	zf-c3hc4(HMM:0.00091)
23650	OJ000208_08.0321.C6.p1.np	zf-c3hc4(HMM:5.3e-13)
23651	OJ000209_03.0309.C17.p3.np	zf-c3hc4(HMM:1.6e-10)
23652	OJ000209_08.0309.C2.p3.np	zf-c3hc4(HMM:3e-05)
23653	OJ000209_13.0316.C10.p1.np	zf-c3hc4(HMM:0.00049)
23654	OJ000209_20.0313.C21.p4.np	zf-c3hc4(HMM:4.9e-09)
23655	OJ000209_26.0229.C3.p2.np	zf-c3hc4(HMM:0.0085)
23656	OJ000210_20.0419.C36.p1.np	zf-c3hc4(HMM:4.7e-14)
23657	OJ000211_07.0316.C6.p2.np	zf-c3hc4(HMM:0.035)
23658	OJ000211_08.0323.C12.p1.np	zf-c3hc4(HMM:2.2e-11)
23659	OJ000214_02.0321.C14.p2.np	zf-c3hc4(HMM:5.3e-14)
23660	OJ000214_09.0321.C17.p2.np	zf-c3hc4(HMM:0.034)
23661	OJ000214_09.0321.C24.p1.np	zf-c3hc4(HMM:9.3e-05)
23662	OJ000216_03.0330.C3.p1.np	zf-c3hc4(HMM:1.9e-05)
23663	OJ000216_07.0323.C6.p1.np	zf-c3hc4(HMM:1.8e-10)
23664	OJ000216_09.0330.C2.p2.np	zf-c3hc4(HMM:0.0012)
23665	OJ000217_08.0419.C11.p2.np	zf-c3hc4(HMM:0.05)
23666	OJ000217_08.0419.C11.p3.np	zf-c3hc4(HMM:0.047)
23667	OJ000217_09.0320.C7.p1.np	zf-c3hc4(HMM:2.6e-21)
23668	OJ000217_09.0320.C8.p1.np	zf-c3hc4(HMM:2.5e-10)
23669	OJ000217_17.0403.C60.p2.np	zf-c3hc4(HMM:2.2e-08)
23670	OJ000222_02.0327.C7.p2.np	zf-c3hc4(HMM:3.7e-08)
23671	OJ000222_12.0404.C9.p3.np	zf-c3hc4(HMM:1.4e-07)
23672	OJ000223_15.0419.C15.p1.np	zf-c3hc4(HMM:2.9e-11)

23673	OJ000228_07.0410.C7.p2.np	zf-c3hc4(HMM:0.00066)
23674	OJ000229_10.0419.C21.p1.np	zf-c3hc4(HMM:5.6e-11)
23675	OJ000229_14.0327.C18.p2.np	zf-c3hc4(HMM:6.4e-10)
23676	OJ000229_14.0327.C29.p2.np	zf-c3hc4(HMM:9.1e-12)
23677	OJ000229_16.0327.C38.p2.np	zf-c3hc4(HMM:8.1e-13)
23678	OJ000229_24.0419.C22.p1.np	zf-c3hc4(HMM:0.0013)
23679	OJ000250_01.0308.C9.p1.np	zf-c3hc4(HMM:5.2e-11)
23680	OJ000250_01.0414.C2.p4.np	zf-c3hc4(HMM:5.2e-11)
23681	OJ000250_46.0211.C8.p2.np	zf-c3hc4(HMM:1.1e-10)
23682	OJ000250_46.0303.C3.p2.np	zf-c3hc4(HMM:1.1e-10)
23683	OJ000250_84.0214.C1.p3.np	zf-c3hc4(HMM:0.0018)
23684	OJ000250_85.0214.C2.p1.np	zf-c3hc4(HMM:1.7)
23685	OJ000250_85.0214.C6.p2.np	zf-c3hc4(HMM:3.3e-12)
23686	OJ000251_17.0307.C61.p3.np	zf-c3hc4(HMM:8.3e-11)
23687	OJ000251_17.0331.C59.p2.np	zf-c3hc4(HMM:8.3e-11)
23688	OJ000251_22.0403.C7.p2.np	zf-c3hc4(HMM:0.0012)
23689	OJ000251_51.0217.C4.p1.np	zf-c3hc4(HMM:1.1e-10)
23690	OJ000301_03.0404.C10.p3.np	zf-c3hc4(HMM:1.1e-12)
23691	OJ000301_18.0330.C11.p1.np	zf-c3hc4(HMM:0.00011)
23692	OJ000301_20.0330.C15.p5.np	zf-c3hc4(HMM:0.081)
23693	OJ000301_23.0419.C26.p1.np	zf-c3hc4(HMM:0.03)
23694	OJ000301_25.0410.C12.p6.np	zf-c3hc4(HMM:3.1e-09)
23695	OJ000302_01.0405.C23.p1.np	zf-c3hc4(HMM:6.1e-13)
23696	OJ000302_01.0405.C25.p1.np	zf-c3hc4(HMM:1.5e-12)
23697	OJ000302_26.0419.C42.p1.np	zf-c3hc4(HMM:0.012)
23698	OJ000302_28.0419.C26.p2.np	zf-c3hc4(HMM:0.012)
23699	OJ000303_02.0403.C7.p14.np	zf-c3hc4(HMM:1.4e-12)
23700	OJ000303_02.0403.C7.p9.np	zf-c3hc4(HMM:1.4e-12)
23701	OJ000303_05.0410.C12.p1.np	zf-c3hc4(HMM:2.9e-12)
23702	OJ000303_20.0419.C28.p1.np	zf-c3hc4(HMM:2.3e-10)
23703	OJ000303_20.0419.C29.p2.np	zf-c3hc4(HMM:9.2e-08)
23704	OJ000303_24.0327.C10.p1.np	zf-c3hc4(HMM:0.0073)
23705	OJ000303_27.0328.C8.p2.np	zf-c3hc4(HMM:0.0073)
23706	OJ000306_12.0330.C7.p7.np	zf-c3hc4(HMM:0.068)
23707	OJ000306_15.0406.C5.p2.np	zf-c3hc4(HMM:1.1e-09)
23708	OJ000307_28.0417.C7.p2.np	zf-c3hc4(HMM:2.1e-06)
23709	OJ000308_05.0406.C9.p2.np	zf-c3hc4(HMM:1.5e-12)
23710	OJ000310_10.0419.C8.p1.np	zf-c3hc4(HMM:9.4e-08)
23711	OJ000310_23.0419.C17.p2.np	zf-c3hc4(HMM:2.8e-08)
23712	OJ000310_32.0419.C6.p1.np	zf-c3hc4(HMM:2.4e-14)
23713	OJ000310_39.0424.C155.p1.np	zf-c3hc4(HMM:6.7e-07)
23714	OJ000310_40.0424.C6.p1.np	zf-c3hc4(HMM:0.0027)
23715	OJ000313_11.0417.C13.p3.np	zf-c3hc4(HMM:6.2e-11)
23716	OJ000313_32.0419.C8.p3.np	zf-c3hc4(HMM:5.5e-14)
23717	OJ000314_01.0419.C1.p2.np	zf-c3hc4(HMM:1.9e-11)
23718	OJ000314_06.0421.C12.p1.np	zf-c3hc4(HMM:2.8e-08)
23719	OJ000314_08.0414.C7.p1.np	zf-c3hc4(HMM:7.9e-11)
23720	OJ000320_05.0417.C10.p3.np	zf-c3hc4(HMM:0.0029)
23721	OJ000320_18.0424.C17.p2.np	zf-c3hc4(HMM:1.4e-12)
23722	OJ000320_18.0424.C2.p1.np	zf-c3hc4(HMM:1e-13)
23723	OJ000320_25.0419.C14.p1.np	zf-c3hc4(HMM:2.8e-09)
23724	OJ000320_35.0412.C22.p2.np	zf-c3hc4(HMM:1.1e-12)
23725	OJ000321_15.0419.C54.p2.np	zf-c3hc4(HMM:0.0019)
23726	OJ000321_38.0419.C7.p1.np	zf-c3hc4(HMM:2e-12)

23727	OJ000321_38.0419.C7.p2.np	zf-c3hc4(HMM:2.3e-10)
23728	OJ000322_06.0424.C26.p1.np	zf-c3hc4(HMM:1.8e-12)
23729	OJ000322_12.0424.C39.p1.np	zf-c3hc4(HMM:4.5e-09)
23730	OJ000322_18.0419.C8.p1.np	zf-c3hc4(HMM:0.16)
23731	OJ000322_23.0413.C5.p1.np	zf-c3hc4(HMM:2.8e-07)
23732	OJ000323_10.0413.C7.p1.np	zf-c3hc4(HMM:0.0034)
23733	OJ000323_21.0419.C11.p1.np	zf-c3hc4(HMM:1.4e-12)
23734	OJ000323_36.0419.C15.p1.np	zf-c3hc4(HMM:0.038)
23735	OJ000324_06.0420.C14.p1.np	zf-c3hc4(HMM:4.5e-09)
23736	OJ000324_11.0421.C12.p1.np	zf-c3hc4(HMM:1.9e-11)
23737	OJ000324_12.0421.C7.p1.np	zf-c3hc4(HMM:2e-11)
23738	OJ000324_16.0420.C27.p1.np	zf-c3hc4(HMM:1.1e-10)
23739	OJ000324_22.0424.C42.p1.np	zf-c3hc4(HMM:7.8e-07)
23740	OJ000324_26.0412.C18.p2.np	zf-c3hc4(HMM:1.2e-10)
23741	OJ000324_26.0420.C5.p2.np	zf-c3hc4(HMM:1.2e-10)
23742	OJ000327_01.0418.C10.p1.np	zf-c3hc4(HMM:2.8e-09)
23743	OJ000327_02.0418.C10.p4.np	zf-c3hc4(HMM:8.3e-11)
23744	OJ000327_13.0419.C18.p1.np	zf-c3hc4(HMM:6.5e-14)
23745	OJ000327_14.0420.C13.p1.np	zf-c3hc4(HMM:1e-13)
23746	OJ000327_19.0420.C34.p1.np	zf-c3hc4(HMM:2.9e-12)
23747	OJ000327_27.0417.C4.p1.np	zf-c3hc4(HMM:2.9e-11)
23748	OJ000327_35.0419.C9.p1.np	zf-c3hc4(HMM:0.00074)
23749	OJ000327_37.0419.C11.p6.np	zf-c3hc4(HMM:7.2e-12)
23750	OJ000329_07.0419.C21.p1.np	zf-c3hc4(HMM:1.1e-12)
23751	OJ000330_17.0421.C6.p4.np	zf-c3hc4(HMM:1.6e-11)
23752	OJ000330_31.0424.C48.p1.np	zf-c3hc4(HMM:3.3e-10)
23753	OJ000330_32.0419.C16.p1.np	zf-c3hc4(HMM:8.7e-12)
23754	OJ000330_37.0420.C11.p1.np	zf-c3hc4(HMM:0.00034)
23755	OJ000331_23.0421.C30.p1.np	zf-c3hc4(HMM:1.4e-13)
23756	OJ000350_15.0322.C12.p5.np	zf-c3hc4(HMM:2.3e-11)
23757	OJ000350_31.0315.C11.p2.np	zf-c3hc4(HMM:3.5e-11)
23758	OJ000350_31.0315.C6.p3.np	zf-c3hc4(HMM:0.0024)
23759	OJ000350_55.0419.C23.p1.np	zf-c3hc4(HMM:1e-13)
23760	OJ000350_64.0403.C14.p5.np	zf-c3hc4(HMM:9.3e-09)
23761	OJ000350_66.0407.C37.p4.np	zf-c3hc4(HMM:2.3e-11)
23762	OJ000350_68.0327.C19.p1.np	zf-c3hc4(HMM:1.2e-10)
23763	OJ000403_16.0419.C11.p3.np	zf-c3hc4(HMM:5.5e-13)
23764	OJ000403_29.0424.C9.p1.np	zf-c3hc4(HMM:0.002)
23765	OJ000404_05.0424.C7.p2.np	zf-c3hc4(HMM:1.3e-08)
23766	OJ000405_19.0424.C28.p1.np	zf-c3hc4(HMM:1.8e-09)
23767	OJ000450_11.0410.C6.p1.np	zf-c3hc4(HMM:0.0036)
23768	OJ000450_13.0410.C6.p5.np	zf-c3hc4(HMM:7.7e-06)
23769	OJ000450_20.0411.C8.p2.np	zf-c3hc4(HMM:4.6e-06)
23770	OJ000450_20.0420.C5.p4.np	zf-c3hc4(HMM:4.6e-06)
23771	OJ990203_07.9819.C29.p2.np	zf-c3hc4(HMM:0.00015)
23772	OJ990301_10.9B03.C5.p2.np	zf-c3hc4(HMM:0.068)
23773	OJ990303_10.0420.C19.p1.np	zf-c3hc4(HMM:8e-13)
23774	OJ990303_10.0420.C24.p1.np	zf-c3hc4(HMM:9.3e-12)
23775	OJ990303_10.9819.C16.p1.np	zf-c3hc4(HMM:2.6e-12)
23776	OJ990303_10.9819.C26.p1.np	zf-c3hc4(HMM:9.3e-12)
23777	OJ990305_03.9819.C55.p1.np	zf-c3hc4(HMM:1.6e-11)
23778	OJ990305_04.9819.C46.p1.np	zf-c3hc4(HMM:4.3e-09)
23779	OJ990305_04.9819.C46.p2.np	zf-c3hc4(HMM:4.3e-09)
23780	OJ990311_09.9819.C15.p11.np	zf-c3hc4(HMM:1.2e-07)

23781	OJ990311_09.9819.C9.p3.np	zf-c3hc4(HMM:0.031)
23782	OJ990311_15.9819.C8.p4.np	zf-c3hc4(HMM:6.7e-09)
23783	OJ990312_15.0419.C25.p1.np	zf-c3hc4(HMM:0.01)
23784	OJ990319_11.0419.C5.p1.np	zf-c3hc4(HMM:2.6e-12)
23785	OJ990319_11.9524.C24.p2.np	zf-c3hc4(HMM:2.6e-12)
23786	OJ990323_17.9819.C4.p9.np	zf-c3hc4(HMM:0.00022)
23787	OJ990324_05.9C23.C24.p1.np	zf-c3hc4(HMM:9.2e-10)
23788	OJ990325_08.0419.C27.p1.np	zf-c3hc4(HMM:0.0083)
23789	OJ990325_08.9524.C26.p1.np	zf-c3hc4(HMM:0.0083)
23790	OJ990326_01.9C01.C25.p1.np	zf-c3hc4(HMM:1.8e-12)
23791	OJ990326_01.9C01.C26.p1.np	zf-c3hc4(HMM:1.3e-07)
23792	OJ990330_19.9819.C30.p5.np	zf-c3hc4(HMM:4.8e-12)
23793	OJ990331_05.9923.C13.p4.np	zf-c3hc4(HMM:1.3e-06)
23794	OJ990402_31.9C10.C16.p4.np	zf-c3hc4(HMM:1.9e-11)
23795	OJ990407_12.9A08.C8.p2.np	zf-c3hc4(HMM:7.8e-13)
23796	OJ990414_12.9A14.C11.p1.np	zf-c3hc4(HMM:3.8e-12)
23797	OJ990415_09.9819.C2.p1.np	zf-c3hc4(HMM:3.1e-12)
23798	OJ990416_08.0419.C36.p1.np	zf-c3hc4(HMM:4.7e-14)
23799	OJ990419_05.9B05.C11.p1.np	zf-c3hc4(HMM:1.5e-12)
23800	OJ990419_05.9B05.C24.p1.np	zf-c3hc4(HMM:6.1e-13)
23801	OJ990419_05.9B05.C24.p3.np	zf-c3hc4(HMM:6.1e-13)
23802	OJ990419_05.9B05.C27.p2.np	zf-c3hc4(HMM:1.5e-12)
23803	OJ990419_08.9923.C28.p2.np	zf-c3hc4(HMM:2e-12)
23804	OJ990420_11.9923.C18.p1.np	zf-c3hc4(HMM:1.8e-10)
23805	OJ990421_04.9919.C48.p3.np	zf-c3hc4(HMM:0.075)
23806	OJ990421_21.0211.C6.p1.np	zf-c3hc4(HMM:1.2e-15)
23807	OJ990421_31.9924.C14.p1.np	zf-c3hc4(HMM:4.9e-08)
23808	OJ990427_01.9A14.C18.p1.np	zf-c3hc4(HMM:1e-11)
23809	OJ990427_03.9927.C12.p1.np	zf-c3hc4(HMM:1.8e-09)
23810	OJ990427_25.9C17.C2.p1.np	zf-c3hc4(HMM:0.0048)
23811	OJ990428_02.9A29.C30.p1.np	zf-c3hc4(HMM:2.1e-10)
23812	OJ990429_07.9927.C6.p2.np	zf-c3hc4(HMM:0.044)
23813	OJ990429_12.9819.C29.p3.np	zf-c3hc4(HMM:0.0018)
23814	OJ990429_21.9922.C9.p1.np	zf-c3hc4(HMM:3.1e-05)
23815	OJ990430_02.9B05.C16.p1.np	zf-c3hc4(HMM:1.8e-10)
23816	OJ990430_02.9B05.C7.p1.np	zf-c3hc4(HMM:0.00092)
23817	OJ990430_06.9C03.C55.p2.np	zf-c3hc4(HMM:1.5e-12)
23818	OJ990430_27.9B05.C9.p1.np	zf-c3hc4(HMM:3.1)
23819	OJ990501_30.9919.C8.p4.np	zf-c3hc4(HMM:2.2e-08)
23820	OJ990502_28.9A15.C7.p3.np	zf-c3hc4(HMM:1.6e-09)
23821	OJ990503_01.9A29.C37.p1.np	zf-c3hc4(HMM:1.9e-09)
23822	OJ990504_06.9C17.C2.p2.np	zf-c3hc4(HMM:5.6e-06)
23823	OJ990505_09.9B19.C16.p1.np	zf-c3hc4(HMM:7.8e-13)
23824	OJ990505_09.9B19.C38.p1.np	zf-c3hc4(HMM:1.1e-09)
23825	OJ990517_13.9A08.C44.p3.np	zf-c3hc4(HMM:9.4e-13)
23826	OJ990519_21.9A20.C8.p2.np	zf-c3hc4(HMM:1.1e-10)
23827	OJ990519_31.9924.C4.p2.np	zf-c3hc4(HMM:1.9e-09)
23828	OJ990520_09.9922.C24.p1.np	zf-c3hc4(HMM:1.8e-05)
23829	OJ990520_11.9B12.C11.p2.np	zf-c3hc4(HMM:9.2e-10)
23830	OJ990524_07.0128.C22.p3.np	zf-c3hc4(HMM:0.068)
23831	OJ990527_04.9C17.C15.p1.np	zf-c3hc4(HMM:3e-09)
23832	OJ990527_04.9C17.C25.p1.np	zf-c3hc4(HMM:1.1e-08)
23833	OJ990527_04.9C17.C26.p1.np	zf-c3hc4(HMM:0.00026)
23834	OJ990527_04.9C17.C39.p2.np	zf-c3hc4(HMM:3.9e-09)

23835	OJ990527_41.9C17.C9.p1.np	zf-c3hc4(HMM:1.8e-05)
23836	OJ990528_06.9C03.C28.p1.np	zf-c3hc4(HMM:5.3e-14)
23837	OJ990531_34.9A14.C9.p2.np	zf-c3hc4(HMM:0.038)
23838	OJ990531_34.9A14.C9.p3.np	zf-c3hc4(HMM:0.038)
23839	OJ990531_45.9922.C2.p1.np	zf-c3hc4(HMM:7.8e-13)
23840	OJ990531_45.9922.C5.p3.np	zf-c3hc4(HMM:1.1e-09)
23841	OJ990601_07.9B12.C36.p1.np	zf-c3hc4(HMM:2.2e-06)
23842	OJ990601_08.9A22.C6.p1.np	zf-c3hc4(HMM:0.0016)
23843	OJ990601_08.9A22.C9.p1.np	zf-c3hc4(HMM:4.5e-12)
23844	OJ990602_02.0421.C29.p2.np	zf-c3hc4(HMM:9.1e-12)
23845	OJ990602_02.9C20.C35.p2.np	zf-c3hc4(HMM:9.1e-12)
23846	OJ990602_14.0421.C6.p3.np	zf-c3hc4(HMM:2.3)
23847	OJ990602_14.9C21.C6.p3.np	zf-c3hc4(HMM:2.3)
23848	OJ990604_10.9A29.C11.p1.np	zf-c3hc4(HMM:6.5e-14)
23849	OJ990617_06.9A27.C103.p1.np	zf-c3hc4(HMM:3e-08)
23850	OJ990617_06.9A27.C21.p1.np	zf-c3hc4(HMM:2.3e-12)
23851	OJ990617_06.9A27.C86.p1.np	zf-c3hc4(HMM:3.8e-12)
23852	OJ990617_11.9B19.C21.p1.np	zf-c3hc4(HMM:1.3e-09)
23853	OJ990617_11.9B19.C21.p9.np	zf-c3hc4(HMM:4e-05)
23854	OJ990617_12.0420.C20.p1.np	zf-c3hc4(HMM:3.9e-12)
23855	OJ990617_12.9921.C57.p1.np	zf-c3hc4(HMM:3.9e-12)
23856	OJ990618_12.9921.C47.p1.np	zf-c3hc4(HMM:4.4e-10)
23857	OJ990618_12.9921.C47.p2.np	zf-c3hc4(HMM:4.4e-10)
23858	OJ990618_12.9921.C6.p1.np	zf-c3hc4(HMM:1.5e-09)
23859	OJ990620_39.9919.C1.p1.np	zf-c3hc4(HMM:4.9e-10)
23860	OJ990620_39.9919.C8.p2.np	zf-c3hc4(HMM:2.7e-11)
23861	OJ990621_04.9C03.C11.p5.np	zf-c3hc4(HMM:2.4e-06)
23862	OJ990626_31.9A14.C6.p1.np	zf-c3hc4(HMM:2.3e-11)
23863	OJ990626_31.9A14.C6.p2.np	zf-c3hc4(HMM:2.3e-11)
23864	OJ990626_47.9922.C7.p2.np	zf-c3hc4(HMM:1.2e-12)
23865	OJ990627_42.9B05.C8.p1.np	zf-c3hc4(HMM:9.4e-13)
23866	OJ990630_06.9B15.C3.p3.np	zf-c3hc4(HMM:2.3e-10)
23867	OJ990630_06.9B15.C3.p5.np	zf-c3hc4(HMM:9.2e-08)
23868	OJ990709_01.9919.C1.p3.np	zf-c3hc4(HMM:2.9e-12)
23869	OJ990709_14.9B05.C3.p2.np	zf-c3hc4(HMM:0.00015)
23870	OJ990713_03.9A01.C6.p5.np	zf-c3hc4(HMM:5.5e-13)
23871	OJ990713_04.9C17.C35.p2.np	zf-c3hc4(HMM:5.5e-11)
23872	OJ990713_08.0128.C4.p2.np	zf-c3hc4(HMM:8.9e-07)
23873	OJ990713_14.9A18.C2.p1.np	zf-c3hc4(HMM:2.9e-12)
23874	OJ990715_06.9A01.C3.p7.np	zf-c3hc4(HMM:1.5e-13)
23875	OJ990715_11.0419.C12.p3.np	zf-c3hc4(HMM:0.0009)
23876	OJ990720_09.9C01.C5.p1.np	zf-c3hc4(HMM:3.4e-06)
23877	OJ990723_14.9A18.C5.p1.np	zf-c3hc4(HMM:1e-13)
23878	OJ990723_14.9A18.C8.p5.np	zf-c3hc4(HMM:0.01)
23879	OJ990727_12.9C10.C8.p1.np	zf-c3hc4(HMM:1.6e-10)
23880	OJ990728_08.0114.C13.p4.np	zf-c3hc4(HMM:2.6e-12)
23881	OJ990803_07.9B19.C11.p3.np	zf-c3hc4(HMM:6.5e-14)
23882	OJ990803_07.9B19.C16.p2.np	zf-c3hc4(HMM:2e-09)
23883	OJ990803_13.9B19.C13.p5.np	zf-c3hc4(HMM:6.9e-11)
23884	OJ990807_31.0419.C14.p1.np	zf-c3hc4(HMM:3.8e-07)
23885	OJ990807_32.0211.C15.p3.np	zf-c3hc4(HMM:3.8e-07)
23886	OJ990807_32.0211.C15.p4.np	zf-c3hc4(HMM:0.023)
23887	OJ990808_37.0103.C6.p2.np	zf-c3hc4(HMM:0.0013)
23888	OJ990808_57.0118.C24.p1.np	zf-c3hc4(HMM:4.4e-08)

23889	OJ990817_14.9B08.C10.p4.np	zf-c3hc4(HMM:1.4e-13)
23890	OJ990817_15.0419.C29.p2.np	zf-c3hc4(HMM:2.9e-11)
23891	OJ990817_15.0419.C29.p4.np	zf-c3hc4(HMM:2.9e-11)
23892	OJ990818_05.9C01.C11.p1.np	zf-c3hc4(HMM:2e-12)
23893	OJ990818_08.9B12.C13.p6.np	zf-c3hc4(HMM:7.8e-12)
23894	OJ990818_13.0217.C18.p1.np	zf-c3hc4(HMM:0.041)
23895	OJ990818_13.0317.C6.p1.np	zf-c3hc4(HMM:0.041)
23896	OJ990818_15.9B12.C20.p2.np	zf-c3hc4(HMM:8.9e-07)
23897	OJ990822_43.9C06.C15.p1.np	zf-c3hc4(HMM:2.9e-11)
23898	OJ990822_43.9C06.C2.p4.np	zf-c3hc4(HMM:0.057)
23899	OJ990822_47.0103.C8.p1.np	zf-c3hc4(HMM:0.0083)
23900	OJ990822_50.9C23.C1.p2.np	zf-c3hc4(HMM:8.7e-13)
23901	OJ990823_06.9B03.C5.p1.np	zf-c3hc4(HMM:3.3e-10)
23902	OJ990825_02.9A29.C34.p1.np	zf-c3hc4(HMM:0.00016)
23903	OJ990825_13.9B24.C30.p1.np	zf-c3hc4(HMM:1.3e-09)
23904	OJ990825_14.9B15.C10.p2.np	zf-c3hc4(HMM:4.6e-13)
23905	OJ990830_10.9C13.C28.p1.np	zf-c3hc4(HMM:0.0021)
23906	OJ990831_04.9A21.C14.p2.np	zf-c3hc4(HMM:0.0016)
23907	OJ990901_09.0211.C9.p1.np	zf-c3hc4(HMM:2.9e-07)
23908	OJ990908_15.9C14.C9.p1.np	zf-c3hc4(HMM:0.022)
23909	OJ990913_14.9B19.C11.p1.np	zf-c3hc4(HMM:1.5e-09)
23910	OJ990914_19.9B01.C3.p2.np	zf-c3hc4(HMM:3.4e-09)
23911	OJ990914_19.9B01.C3.p3.np	zf-c3hc4(HMM:3.4e-09)
23912	OJ990921_14.0308.C10.p1.np	zf-c3hc4(HMM:5.2e-11)
23913	OJ990923_03.9B10.C6.p1.np	zf-c3hc4(HMM:1.9e-07)
23914	OJ990923_03.9B10.C6.p2.np	zf-c3hc4(HMM:0.0012)
23915	OJ990924_17.0211.C21.p2.np	zf-c3hc4(HMM:6.7e-09)
23916	OJ990927_04.9B22.C8.p2.np	zf-c3hc4(HMM:4.2e-10)
23917	OJ990930_04.9C01.C7.p1.np	zf-c3hc4(HMM:0.00066)
23918	OJ990930_16.9B05.C23.p1.np	zf-c3hc4(HMM:1.5e-09)
23919	OJ991007_18.0120.C6.p4.np	zf-c3hc4(HMM:0.002)
23920	OJ991012_11.0126.C35.p1.np	zf-c3hc4(HMM:1.2e-13)
23921	OJ991012_11.0126.C35.p3.np	zf-c3hc4(HMM:1.9e-12)
23922	OJ991012_13.0128.C6.p1.np	zf-c3hc4(HMM:1.3e-06)
23923	OJ991013_05.0111.C8.p2.np	zf-c3hc4(HMM:1.5e-10)
23924	OJ991013_12.0112.C12.p3.np	zf-c3hc4(HMM:0.03)
23925	OJ991014_10.0207.C11.p2.np	zf-c3hc4(HMM:4.6e-13)
23926	OJ991018_17.0421.C1.p2.np	zf-c3hc4(HMM:1.6e-11)
23927	OJ991020_05.0222.C19.p1.np	zf-c3hc4(HMM:0.0027)
23928	OJ991020_06.0215.C28.p1.np	zf-c3hc4(HMM:1.1e-12)
23929	OJ991020_06.0303.C19.p1.np	zf-c3hc4(HMM:1.1e-12)
23930	OJ991020_08.0112.C6.p4.np	zf-c3hc4(HMM:2.2e-08)
23931	OJ991020_11.0207.C9.p3.np	zf-c3hc4(HMM:1.5e-06)
23932	OJ991021_03.0413.C26.p1.np	zf-c3hc4(HMM:0.0083)
23933	OJ991021_13.0419.C5.p1.np	zf-c3hc4(HMM:6.5e-14)
23934	OJ991021_13.0419.C9.p7.np	zf-c3hc4(HMM:2e-09)
23935	OJ991022_08.0308.C40.p1.np	zf-c3hc4(HMM:1.9e-09)
23936	OJ991022_17.0225.C8.p1.np	zf-c3hc4(HMM:3.1e-11)
23937	OJ991026_09.0222.C13.p1.np	zf-c3hc4(HMM:2e-11)
23938	OJ991026_13.0118.C17.p1.np	zf-c3hc4(HMM:6.9e-09)
23939	OJ991026_13.0118.C4.p1.np	zf-c3hc4(HMM:0.00072)
23940	OJ991028_15.0118.C27.p1.np	zf-c3hc4(HMM:1.9e-09)
23941	OJ991029_09.0120.C1.p3.np	zf-c3hc4(HMM:2.2e-09)
23942	OJ991101_09.0131.C14.p1.np	zf-c3hc4(HMM:1.3)

23943	OJ991101_09.0131.C23.p2.np	zf-c3hc4(HMM:0.0021)
23944	OJ991102_02.0223.C2.p1.np	zf-c3hc4(HMM:9.3e-05)
23945	OJ991102_06.0120.C5.p2.np	zf-c3hc4(HMM:4.4e-11)
23946	OJ991103_03.0125.C6.p1.np	zf-c3hc4(HMM:2.3e-10)
23947	OJ991103_03.0125.C6.p3.np	zf-c3hc4(HMM:9.2e-08)
23948	OJ991103_16.0308.C14.p1.np	zf-c3hc4(HMM:6e-07)
23949	OJ991106_41.0419.C18.p2.np	zf-c3hc4(HMM:4.4e-11)
23950	OJ991106_42.0103.C7.p3.np	zf-c3hc4(HMM:1.2e-10)
23951	OJ991107_30.0204.C11.p4.np	zf-c3hc4(HMM:6.3e-09)
23952	OJ991107_37.0113.C75.p1.np	zf-c3hc4(HMM:2e-11)
23953	OJ991108_05.0126.C5.p1.np	zf-c3hc4(HMM:0.018)
23954	OJ991109_09.0421.C7.p1.np	zf-c3hc4(HMM:6.8e-11)
23955	OJ991109_09.9C22.C4.p1.np	zf-c3hc4(HMM:6.8e-11)
23956	OJ991110_09.0222.C20.p1.np	zf-c3hc4(HMM:6.8e-11)
23957	OJ991110_10.0421.C8.p2.np	zf-c3hc4(HMM:0.068)
23958	OJ991110_10.9C23.C10.p2.np	zf-c3hc4(HMM:0.068)
23959	OJ991111_07.0330.C4.p3.np	zf-c3hc4(HMM:9.8e-12)
23960	OJ991111_07.0330.C5.p3.np	zf-c3hc4(HMM:1e-10)
23961	OJ991111_08.0307.C4.p1.np	zf-c3hc4(HMM:2.6e-12)
23962	OJ991113_30.9C10.C4.p1.np	zf-c3hc4(HMM:2.7e-06)
23963	OJ991113_34.9C27.C6.p1.np	zf-c3hc4(HMM:1.8e-07)
23964	OJ991114_36.0128.C2.p1.np	zf-c3hc4(HMM:0.0028)
23965	OJ991116_07.0128.C7.p3.np	zf-c3hc4(HMM:3.4e-10)
23966	OJ991116_16.0421.C46.p1.np	zf-c3hc4(HMM:0.0011)
23967	OJ991116_16.9C23.C32.p1.np	zf-c3hc4(HMM:0.0011)
23968	OJ991117_06.0419.C2.p2.np	zf-c3hc4(HMM:7.8e-13)
23969	OJ991117_12.0421.C5.p2.np	zf-c3hc4(HMM:0.0015)
23970	OJ991117_20.0216.C6.p3.np	zf-c3hc4(HMM:1.9e-09)
23971	OJ991117_20.0303.C6.p3.np	zf-c3hc4(HMM:1.9e-09)
23972	OJ991119_17.0126.C10.p1.np	zf-c3hc4(HMM:2.4e-14)
23973	OJ991120_30.0127.C15.p1.np	zf-c3hc4(HMM:3.7e-12)
23974	OJ991120_30.0127.C4.p6.np	zf-c3hc4(HMM:1e-07)
23975	OJ991121_47.9C30.C10.p1.np	zf-c3hc4(HMM:6.8e-11)
23976	OJ991122_03.0421.C7.p4.np	zf-c3hc4(HMM:2.2e-09)
23977	OJ991122_03.9C23.C7.p4.np	zf-c3hc4(HMM:2.2e-09)
23978	OJ991122_07.0421.C4.p7.np	zf-c3hc4(HMM:1.8e-05)
23979	OJ991122_07.9C27.C4.p7.np	zf-c3hc4(HMM:1.8e-05)
23980	OJ991201_19.0222.C10.p1.np	zf-c3hc4(HMM:0.098)
23981	OJ991201_19.0222.C9.p1.np	zf-c3hc4(HMM:4.5e-09)
23982	OJ991202_02.0421.C10.p3.np	zf-c3hc4(HMM:2.2e-08)
23983	OJ991202_02.9C29.C9.p3.np	zf-c3hc4(HMM:2.2e-08)
23984	OJ991202_15.0118.C1.p4.np	zf-c3hc4(HMM:4.3e-09)
23985	OJ991202_19.0114.C8.p5.np	zf-c3hc4(HMM:6.5e-11)
23986	OJ991202_19.0421.C7.p5.np	zf-c3hc4(HMM:6.5e-11)
23987	OJ991203_01.0128.C5.p3.np	zf-c3hc4(HMM:4.7e-05)
23988	OJ991206_16.0112.C4.p2.np	zf-c3hc4(HMM:7.8e-13)
23989	OJ991208_01.0110.C10.p5.np	zf-c3hc4(HMM:4.4e-11)
23990	OJ991210_01.0110.C1.p1.np	zf-c3hc4(HMM:3.8e-07)
23991	OJ991210_10.0110.C10.p1.np	zf-c3hc4(HMM:0.00019)
23992	OJ991210_13.0110.C4.p6.np	zf-c3hc4(HMM:1.2e-13)
23993	OJ991210_13.0110.C4.p8.np	zf-c3hc4(HMM:1.9e-12)
23994	OJ991214_04.0114.C12.p1.np	zf-c3hc4(HMM:4.5e-12)
23995	OJ991215_02.0224.C10.p4.np	zf-c3hc4(HMM:1.3e-06)
23996	OJ991215_14.0211.C18.p1.np	zf-c3hc4(HMM:5.5e-14)

23997	OJ991216_03.0419.C13.p1.np	zf-c3hc4(HMM:1.5e-09)
23998	OJ991216_07.0301.C18.p1.np	zf-c3hc4(HMM:9e-12)
23999	OJ991216_07.0301.C2.p2.np	zf-c3hc4(HMM:0.057)
24000	OJ991226_32.0308.C3.p1.np	zf-c3hc4(HMM:5.2e-11)
24001	OJ000250_27.0208.C9.p1.np	zf-c3hc4(HMM:2e-06),zz(HMM:8.7e-12)
24002	OJ000250_27.0303.C5.p1.np	zf-c3hc4(HMM:2.4e-07),zz(HMM:8.7e-12)
24003	OJ991201_06.0103.C10.p1.np	zf-c3hc4(HMM:2.4e-10),zz(HMM:8.7e-12)
24004	OJ000107_02.0301.C11.p1.np	zf-ccch(HMM:0.0001)
24005	OJ000107_02.0301.C11.p2.np	zf-ccch(HMM:0.00055)
24006	OJ000107_02.0426.C11.p1.np	zf-ccch(HMM:0.0001)
24007	OJ000107_02.0426.C11.p2.np	zf-ccch(HMM:0.00055)
24008	OJ000223_02.0405.C6.p6.np	zf-ccch(HMM:1.4e-18)
24009	OJ000229_23.0323.C18.p2.np	zf-ccch(HMM:0.062)
24010	OJ000251_47.0320.C2.p1.np	zf-ccch(HMM:5.3e-09)
24011	OJ000251_48.0228.C51.p4.np	zf-ccch(HMM:3.7e-22)
24012	OJ000303_26.0411.C16.p1.np	zf-ccch(HMM:5.5e-22)
24013	OJ000315_27.0419.C11.p1.np	zf-ccch(HMM:0.014)
24014	OJ000316_09.0419.C22.p1.np	zf-ccch(HMM:0.046)
24015	OJ000316_19.0419.C13.p1.np	zf-ccch(HMM:8.4e-05)
24016	OJ000316_19.0419.C7.p2.np	zf-ccch(HMM:3.7e-08)
24017	OJ000316_19.0419.C7.p3.np	zf-ccch(HMM:2.6)
24018	OJ000320_03.0419.C25.p1.np	zf-ccch(HMM:0.096)
24019	OJ000320_03.0419.C38.p1.np	zf-ccch(HMM:0.04)
24020	OJ000321_31.0411.C3.p1.np	zf-ccch(HMM:5.3e-09)
24021	OJ000324_30.0413.C8.p1.np	zf-ccch(HMM:3e-19)
24022	OJ000324_30.0420.C21.p1.np	zf-ccch(HMM:3e-19)
24023	OJ000327_09.0424.C31.p1.np	zf-ccch(HMM:6.8e-08)
24024	OJ000450_13.0410.C4.p12.np	zf-ccch(HMM:1.3e-16)
24025	OJ990312_14.9819.C4.p2.np	zf-ccch(HMM:1.5e-23)
24026	OJ990318_06.0228.C53.p1.np	zf-ccch(HMM:3.7e-22)
24027	OJ990527_23.9C10.C3.p3.np	zf-ccch(HMM:0.062)
24028	OJ990612_47.9927.C8.p1.np	zf-ccch(HMM:5.2e-15)
24029	OJ990825_16.0303.C4.p2.np	zf-ccch(HMM:1.5e-23)
24030	OJ991007_03.0421.C6.p1.np	zf-ccch(HMM:3.5e-06)
24031	OJ991007_03.9C27.C6.p1.np	zf-ccch(HMM:3.5e-06)
24032	OJ991012_10.0127.C24.p1.np	zf-ccch(HMM:3e-19)
24033	OJ991027_16.0118.C9.p1.np	zf-ccch(HMM:0.014)
24034	OJ991121_44.0419.C40.p1.np	zf-ccch(HMM:0.062)
24035	OJ991208_06.0107.C1.p1.np	zf-ccch(HMM:1.5e-23)
24036	OJ991216_10.0211.C10.p2.np	zf-ccch(HMM:2e-15)
24037	OJ000110_08.0128.C7.p4.np	zf-cchc(HMM:1.6e-24)
24038	OJ000110_08.0426.C7.p4.np	zf-cchc(HMM:1.6e-24)
24039	OJ000114_17.0225.C8.p3.np	zf-cchc(HMM:2.1e-13)
24040	OJ000118_04.0218.C6.p3.np	zf-cchc(HMM:0.0028)
24041	OJ000118_04.0310.C5.p3.np	zf-cchc(HMM:0.0028)
24042	OJ000119_07.0209.C5.p1.np	zf-cchc(HMM:8.2e-11)
24043	OJ000150_29.0124.C79.p3.np	zf-cchc(HMM:1.9e-15)
24044	OJ000207_11.0306.C1.p3.np	zf-cchc(HMM:0.0028)
24045	OJ000211_12.0419.C12.p1.np	zf-cchc(HMM:1.1e-18)
24046	OJ000221_01.0313.C12.p2.np	zf-cchc(HMM:0.00058)
24047	OJ000221_21.0314.C12.p1.np	zf-cchc(HMM:2.6e-20)

24048	OJ000250_51.0211.C5.p6.np	zf-cchc(HMM:3.5e-22)
24049	OJ000250_62.0214.C4.p1.np	zf-cchc(HMM:3.9e-10)
24050	OJ000250_80.0214.C1.p1.np	zf-cchc(HMM:2.5e-13)
24051	OJ000251_06.0419.C142.p1.np	zf-cchc(HMM:2.1e-13)
24052	OJ000251_45.0217.C36.p1.np	zf-cchc(HMM:6.2e-09)
24053	OJ000251_49.0410.C17.p1.np	zf-cchc(HMM:0.0029)
24054	OJ000302_07.0407.C2.p7.np	zf-cchc(HMM:1.6e-12)
24055	OJ000309_11.0424.C41.p4.np	zf-cchc(HMM:1e-18)
24056	OJ000313_27.0418.C4.p1.np	zf-cchc(HMM:8e-12)
24057	OJ000404_23.0420.C11.p1.np	zf-cchc(HMM:1.1e-11)
24058	OJ990316_13.9819.C2.p1.np	zf-cchc(HMM:2.1e-08)
24059	OJ990316_14.9819.C4.p3.np	zf-cchc(HMM:1.9e-15)
24060	OJ990317_01.9C23.C58.p2.np	zf-cchc(HMM:1.9e-15)
24061	OJ990325_09.9921.C19.p1.np	zf-cchc(HMM:1.7e-17)
24062	OJ990402_06.9922.C13.p2.np	zf-cchc(HMM:6.2e-09)
24063	OJ990402_06.9922.C3.p1.np	zf-cchc(HMM:1.9e-10)
24064	OJ990405_08.0103.C16.p3.np	zf-cchc(HMM:5.8e-06)
24065	OJ990410_28.9922.C19.p2.np	zf-cchc(HMM:2.1e-13)
24066	OJ990428_22.9924.C2.p4.np	zf-cchc(HMM:4.6e-13)
24067	OJ990513_07.9A21.C53.p1.np	zf-cchc(HMM:1.1e-16)
24068	OJ990528_10.0419.C34.p1.np	zf-cchc(HMM:2.9e-13)
24069	OJ990605_32.9C03.C4.p6.np	zf-cchc(HMM:0.0028)
24070	OJ990619_30.9927.C12.p1.np	zf-cchc(HMM:1.5e-21)
24071	OJ990621_09.9921.C5.p1.np	zf-cchc(HMM:8e-12)
24072	OJ990701_10.9919.C2.p1.np	zf-cchc(HMM:1.7e-08)
24073	OJ990713_12.9C21.C54.p1.np	zf-cchc(HMM:0.0029)
24074	OJ990728_12.9B12.C18.p5.np	zf-cchc(HMM:3.2e-23)
24075	OJ990728_12.9B12.C49.p1.np	zf-cchc(HMM:1.1e-18)
24076	OJ990730_03.9C10.C5.p4.np	zf-cchc(HMM:6.2e-15)
24077	OJ990817_04.9921.C27.p1.np	zf-cchc(HMM:5.1e-37)
24078	OJ990819_11.9C17.C10.p7.np	zf-cchc(HMM:1.2e-21)
24079	OJ990820_03.0303.C31.p1.np	zf-cchc(HMM:6.9e-21)
24080	OJ990820_08.9C17.C50.p1.np	zf-cchc(HMM:7.3e-14)
24081	OJ990825_14.9B15.C25.p1.np	zf-cchc(HMM:3e-07)
24082	OJ990826_11.9B09.C22.p1.np	zf-cchc(HMM:1.2e-21)
24083	OJ990909_16.0118.C16.p1.np	zf-cchc(HMM:2.2e-13)
24084	OJ990915_14.9B08.C3.p1.np	zf-cchc(HMM:4.8e-17)
24085	OJ990916_18.9B01.C15.p1.np	zf-cchc(HMM:8.3e-07)
24086	OJ990917_15.0112.C11.p1.np	zf-cchc(HMM:1e-23)
24087	OJ991011_04.0103.C2.p3.np	zf-cchc(HMM:1e-23)
24088	OJ991014_10.0207.C27.p1.np	zf-cchc(HMM:5.1e-37)
24089	OJ991028_06.0121.C8.p8.np	zf-cchc(HMM:1.4e-16)
24090	OJ991103_09.0225.C17.p3.np	zf-cchc(HMM:9.9e-05)
24091	OJ991109_10.0203.C11.p1.np	zf-cchc(HMM:5.8e-10)
24092	OJ991112_16.0104.C15.p3.np	zf-cchc(HMM:1.9e-15)
24093	OJ991201_13.0421.C3.p4.np	zf-cchc(HMM:1.5e-08)
24094	OJ991201_13.9C23.C17.p1.np	zf-cchc(HMM:1.4e-07)
24095	OJ991208_07.0211.C12.p8.np	zf-cchc(HMM:3.7e-11)
24096	OJ000102_36.0222.C4.p3.np	zf-constans(HMM:1.9e-16)
24097	OJ000108_39.0308.C8.p2.np	zf-constans(HMM:3.6e-09)
24098	OJ000108_39.0426.C8.p2.np	zf-constans(HMM:3.6e-09)
24099	OJ000150_15.0124.C30.p1.np	zf-constans(HMM:1.2e-15)
24100	OJ000310_08.0419.C34.p1.np	zf-constans(HMM:1.1e-05)
24101	OJ000350_02.0314.C16.p2.np	zf-constans(HMM:1.9e-16)

24102	OJ990315_09.0128.C32.p1.np	zf-constans(HMM:0.0002)
24103	OJ990317_09.0421.C16.p1.np	zf-constans(HMM:1.4e-28)
24104	OJ990317_09.9C20.C16.p1.np	zf-constans(HMM:1.4e-28)
24105	OJ990318_16.9819.C4.p7.np	zf-constans(HMM:3.2)
24106	OJ990318_16.9819.C4.p8.np	zf-constans(HMM:2.8)
24107	OJ990318_16.9819.C4.p9.np	zf-constans(HMM:2.8)
24108	OJ990517_13.9A08.C40.p1.np	zf-constans(HMM:9.5e-29)
24109	OJ990528_29.9C10.C2.p2.np	zf-constans(HMM:2.1e-39)
24110	OJ990528_30.9919.C2.p2.np	zf-constans(HMM:3.4e-38)
24111	OJ990627_42.9B05.C9.p3.np	zf-constans(HMM:9.5e-29)
24112	OJ990728_09.9B18.C2.p8.np	zf-constans(HMM:9.5e-29)
24113	OJ991108_19.0419.C61.p1.np	zf-constans(HMM:5.4e-15)
24114	OJ991201_14.0118.C4.p7.np	zf-constans(HMM:2.8e-08)
24115	OJ000350_57.0313.C28.p1.np	zf-mynd(HMM:0.00078)
24116	OJ000450_13.0410.C3.p6.np	zf-mynd(HMM:1.5e-08)
24117	OJ990514_12.0103.C8.p1.np	zf-mynd(HMM:1.2e-09)
24118	OJ990710_46.9A26.C16.p1.np	zf-mynd(HMM:1.7e-06)
24119	OJ990714_12.0419.C25.p1.np	zf-mynd(HMM:1.2e-09)
24120	OJ990809_11.9C01.C9.p1.np	zf-mynd(HMM:1e-10)
24121	OJ991011_13.0103.C4.p1.np	zf-mynd(HMM:5.4e-12)
24122	OJ991106_38.0419.C23.p1.np	zf-mynd(HMM:1.8e-07)
24123	OJ991215_03.0128.C9.p1.np	zf-mynd(HMM:5.4e-12)
24124	OJ000111_09.0210.C5.p2.np	zz(HMM:9.7e-06)
24125	OJ000111_09.0303.C5.p2.np	zz(HMM:9.7e-06)
24126	OJ000111_09.0426.C5.p2.np	zz(HMM:9.7e-06)
24127	OJ000115_32.0301.C4.p2.np	zz(HMM:0.001)
24128	OJ000115_32.0414.C2.p2.np	zz(HMM:0.00067)
24129	OJ000308_26.0403.C7.p2.np	zz(HMM:9.7e-06)
24130	OJ000310_37.0419.C11.p1.np	zz(HMM:0.0019)
24131	OJ990330_12.9922.C16.p1.np	zz(HMM:0.021)
24132	OJ990330_12.9922.C23.p1.np	zz(HMM:0.013)
24133	OJ990616_02.9C23.C8.p1.np	zz(HMM:5.3e-14)
24134	OJ990616_02.9C23.C8.p2.np	zz(HMM:9.7e-06)
24135	OJ990818_13.0217.C19.p1.np	zz(HMM:0.0019)
24136	OJ990818_13.0317.C7.p1.np	zz(HMM:0.0019)
24137	OJ990823_10.9C08.C18.p1.np	zz(HMM:0.021)
24138	OJ990830_07.9A25.C32.p1.np	zz(HMM:0.021)
24139	OJ991019_16.0118.C21.p1.np	zz(HMM:3.9e-09)
24140	OJ991019_16.0118.C21.p2.np	zz(HMM:3.9e-09)
24141	OJ991019_19.0306.C2.p2.np	zz(HMM:3.9e-09)
24142	OJ991101_05.0202.C1.p2.np	zz(HMM:0.013)
24143	OJ991101_05.0202.C12.p2.np	zz(HMM:0.021)